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NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE N C

F/6 4/2

SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE (SMOS), QUANTIC--ETC(U)
JUL 78

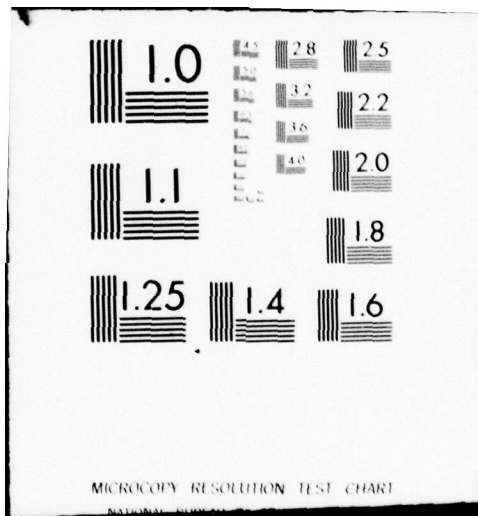
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1 of 4
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Map of Asheville, NC	Frame 2	Frame 3	Frame 4	Frame 5	Frame 6	Frame 7	Frame 8	Frame 9	Frame 10	Frame 11	Frame 12	Frame 13	Frame 14	Frame 15
Frame 16	Frame 17	Frame 18	Frame 19	Frame 20	Frame 21	Frame 22	Frame 23	Frame 24	Frame 25	Frame 26	Frame 27	Frame 28	Frame 29	Frame 30
Frame 31	Frame 32	Frame 33	Frame 34	Frame 35	Frame 36	Frame 37	Frame 38	Frame 39	Frame 40	Frame 41	Frame 42	Frame 43	Frame 44	Frame 45
Frame 46	Frame 47	Frame 48	Frame 49	Frame 50	Frame 51	Frame 52	Frame 53	Frame 54	Frame 55	Frame 56	Frame 57	Frame 58	Frame 59	Frame 60
Frame 61	Frame 62	Frame 63	Frame 64	Frame 65	Frame 66	Frame 67	Frame 68	Frame 69	Frame 70	Frame 71	Frame 72	Frame 73	Frame 74	Frame 75
Frame 76	Frame 77	Frame 78	Frame 79	Frame 80	Frame 81	Frame 82	Frame 83	Frame 84	Frame 85	Frame 86	Frame 87	Frame 88	Frame 89	Frame 90





(Summary of Meteorological Observations, Surface)

Prepared by
Naval Weather Service Detachment
Federal Building
Asheville, N. C. 28801

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RECEIVED
26 JAN 1979
E

Tab Number: 72004

Period: 1975-77

Station: 014510

Date: JULY, 1978



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REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
1. REPORT NUMBER	2. GOVT ACCESSION NO.	3. RECIPIENT'S CATALOG NUMBER
4. TITLE (and Subtitle) Summary of Meteorological Observations, Surface (SMOS) Quantico, Virginia		5. TYPE OF REPORT & PERIOD COVERED Reference report 1945-1977
		6. PERFORMING ORG. REPORT NUMBER
7. AUTHOR(s) N/A		8. CONTRACT OR GRANT NUMBER(s)
9. PERFORMING ORGANIZATION NAME AND ADDRESS Naval Weather Service Detachment Federal Building Asheville, N. C. 28001		10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS
11. CONTROLLING OFFICE NAME AND ADDRESS Director, Naval Oceanography and Meteorology National Space Technology Laboratories NSTL Station, MS 39529		12. REPORT DATE July 1978
		13. NUMBER OF PAGES 358
14. MONITORING AGENCY NAME & ADDRESS (if different from Controlling Office)		15. SECURITY CLASS. (of this report) Unclassified
		15a. DECLASSIFICATION/DOWNGRADING SCHEDULE
16. DISTRIBUTION STATEMENT (of this Report) Approved for public release; distribution unlimited.		
17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)		
18. SUPPLEMENTARY NOTES		
19. KEY WORDS (Continue on reverse side if necessary and identify by block number) Climatology, surface wind, temperature, precipitation, ceiling, visibility, relative humidity, station pressure, extreme temperatures, sea level pressure, daily temperature, weather conditions, monthly climatology, Naval shore facility, coastal region, snow depth, cloud cover, Quantico, VA.		
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This data report consists of a six part statistical summary of surface weather observations. The six parts are: Part A - Weather Conditions/ Atmospheric Phenomena, Part B - Precipitation/Snowfall/Snow Depth, Part C - Surface Winds, Part D - Ceiling versus Visibility/ Sky Cover, Part E - Psychrometric Summaries, Part F - Station Pressure/Sea Level Pressure		

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SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

STATION NO. ON SUMMARY		STATION NAME		STATION ELEV. (FT)		CALL SIGN		WMO N. W. L. R.	
13773		Quantico, Virginia		38°30'N		77°18'W		11 KNYG	

STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF BARQ LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		CSS PER DAY
			FROM	TO			FEET	TYPE BAROMETER	
1.	Weather office, southeast corner hangar #2105	MCAS	1948	1969	38°30'N	77°18'W	14		

SURFACE WIND EQUIPMENT INFORMATION				REMARKS ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
NUMBER OF LOCATION	DATE OF CHANGE	LOCATION	HT ABOVE GROUND	
1.	Installed	Atop control tower	59.6'	1. Barometer, aneroid 2. Barograph (ML-3) 3. Semi-auto met sta (AN/GMQ-14) 4. Cloud height set (AN/GMQ-13B) 5. Theodolite (ML-247) 6. Transmissometer (AN/GMQ-10C)
2.	1958	500' west of runway 02/20	14.0'	

SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE

DIRNAVOCEANMET 1tr 3146 Ser 1032 dated 26 August 1977 (NOTAL) established the following policy for SMOS production and updating:

1. Ten years of data will be used as the standard period of record (POR).
2. All available data will be used for extreme values.
3. Summarize (update) every five years.

a. Summarize the five year period (1973-1977) for all sections of the SMOS except extremes. The 5 year summary will be an intermediate SMOS to show secular trends. All available data through 1977 will be included for extreme values.

b. The update in 1983 will include the POR 1973 through 1982, with all available data through 1982 for extreme values.

c. The update in 1988 will be an intermediate SMOS (POR 1983-1987). All available data through 1987 will be included for extreme values.

d. In 1993 the POR will be 1983 through 1992. All available data through 1992 will be used for extreme values.

Each standard POR (10 years) summary should be retained by individual stations along with the SMOS prepared in 1973. The retention of these summaries will provide the most comprehensive climatological file for your station.

DESCRIPTION: Preceding each section is a brief description of the data comprising each part of the summary and the manner of presentation. Tabulations are prepared from 3-hourly and daily observations recorded by stations operated by the U.S. Navy and U.S. Marine Corps. 3-hourly observations are defined as these record or record-special observations recorded at scheduled 3-hourly intervals. Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations (prepared from record-special, local, summary of the day, remarks, etc.).

COMMENT: All observations summarized in this tabulation have been computer edited for consistency and reasonableness prior to, or during, the processing stage. Efforts to improve the quality of the data after summarization are expensive, i.e., the improvement might consist of the elimination of one suspect or erroneous value. The cost of preparing "perfect" copy can be prohibitive due to the handwork involved. Suspect cases will occur infrequently, but users should not disregard extreme values completely as some could be valid. Questionable values will most likely be single occurrences shown by a percentage frequency of ".0". (This value indicates a percent less than ".05," which, in most cases, reflects a single observation.) Since most stations summarized now have in excess of 10,000 3-hourly observations, the occurrence of an occasional spurious value should not in itself be considered significant. Every effort is made by this office to maintain a high degree of accuracy and reliability in these tables, and the Naval Weather Service Detachment (NWS), Asheville, N. C. welcomes your comment and criticisms.

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PART A

WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from 3-hourly observations, and is presented in three tables as follows:

1. By month and annual, all hours and years combined.
2. By month and annual, all hours and years combined, by wind direction.
3. By month, all years combined, by standard 3-hour groups.

Occurrences of the various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet - Included are snow, sleet, snow pellets (soft hail), snow grains, and ice crystals.

Hail Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the total columns.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WEAN sources.)

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

NOTE: The total number of observations may vary among tables within the same month and period. Percentages may not always equal 100.0 due to rounding practices.

PART A

ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrences of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual columns may not equal the total columns.

This presentation is by month with annual totals, and is prepared with all years combined.

NOTE: A day with rain and/or drizzle was not separately reported in WEAN data prior to January 1949. Therefore percentages in this column are restricted to the period January 1949 and later.

A day with dust and/or sand was punched and included in this summary only when visibility was less than $\frac{5}{8}$ mile.

Percentage Frequency of Wind Direction vs. Weather Conditions - This tabulation is derived from 3-hourly observations and is presented by month and annual, all hours and years combined. The main body of the Summary consists of weather conditions (horizontally) and wind directions (vertically) to 16 compass points (plus calm). Column totals show the number of observations. "% Total" indicates percentage frequency of occurrences.

MEANS AND STANDARD DEVIATIONS

5707 MEANS AND STANDARD DEVIATIONS JAN 68

SEA LEVEL PRESSURE IN HBS FROM HOURLY OBSERVATIONS

73-77

QUANTICO, VIRGINIA

13773

STATION NAME

YEARS

HRS.(L.S.T.)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
01	MEAN S. D. TOTAL OBS	1020.3 8.240 124	1018.6 8.983 113	1017.1 8.167 122	1016.0 7.771 118	1015.8 5.336 90	1016.0 4.529 94	1017.9 3.807 93	1019.0 4.784 90	1020.9 6.522 93	1019.4 7.587 88	1019.5 8.405 93	1017.9 7.150 1225
04	MEAN S. D. TOTAL OBS	1020.3 8.055 124	1018.4 8.754 113	1016.8 8.337 124	1015.9 8.168 119	1015.7 5.245 119	1015.3 4.757 121	1017.8 3.969 123	1018.7 4.903 90	1020.2 6.983 115	1019.4 7.747 88	1019.4 8.557 93	1017.6 7.143 1351
07	MEAN S. D. TOTAL OBS	1020.2 8.546 144	1019.2 8.501 116	1017.7 8.639 125	1016.9 8.431 123	1016.2 5.539 142	1016.4 4.748 143	1018.6 3.967 144	1018.7 5.537 139	1020.3 7.354 133	1019.4 7.780 111	1019.2 9.604 113	1018.2 7.233 1576
10	MEAN S. D. TOTAL OBS	1021.2 8.855 144	1020.0 8.572 132	1018.1 9.280 147	1017.3 8.644 140	1016.4 5.622 142	1016.7 4.755 143	1018.9 4.085 147	1019.1 5.693 140	1020.9 7.384 135	1020.3 7.832 127	1019.9 9.780 135	1018.7 7.546 1676
13	MEAN S. D. TOTAL OBS	1019.1 8.985 143	1018.2 8.687 132	1016.6 9.356 147	1015.9 8.173 139	1015.6 5.521 141	1016.0 4.809 142	1018.0 4.016 146	1017.9 5.653 140	1019.4 7.213 136	1018.5 7.623 129	1017.9 9.742 134	1017.3 7.430 1672
16	MEAN S. D. TOTAL OBS	1018.5 9.038 144	1016.9 8.673 130	1015.0 8.929 142	1014.6 7.660 132	1013.1 4.981 125	1014.8 4.932 121	1016.9 3.971 124	1017.0 5.475 113	1019.0 6.919 113	1017.7 7.423 112	1017.8 9.294 117	1016.4 7.361 1496
19	MEAN S. D. TOTAL OBS	1020.3 8.499 126	1018.0 8.404 117	1016.1 8.341 126	1015.1 7.284 120	1014.8 5.175 104	1015.2 4.553 103	1017.2 3.685 109	1018.0 5.056 99	1020.4 6.669 100	1019.0 7.293 91	1019.3 8.415 99	1017.2 7.112 1304
22	MEAN S. D. TOTAL OBS	1021.0 8.246 124	1018.5 8.685 113	1017.0 8.103 124	1016.2 7.312 118	1016.1 5.087 92	1016.1 4.374 98	1018.2 3.652 97	1019.1 4.829 90	1021.0 6.764 93	1019.6 7.233 88	1019.6 8.572 93	1018.1 7.045 1237
ALL HOURS	MEAN S. D. TOTAL OBS	1020.1 8.604 1073	1018.5 8.667 966	1016.8 8.711 1057	1016.0 7.979 1009	1015.8 5.386 953	1015.9 4.730 962	1018.0 3.957 983	1018.4 5.346 901	1020.2 7.031 918	1019.2 7.591 834	1019.0 9.144 877	1017.7 7.303 11537

WEATHER CONDITIONS

5701 WEATHER CONDITIONS JAN 68

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JAN
MONTH

YEARS

73-77

STATION NAME

QUANTICO, VIRGINIA

STATION
13773

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	01		12.9		.8		12.9	21.8	3.2			24.2	124
	04		8.9		.8		9.7	23.4	2.4			25.0	124
	07		9.7	.7	2.1		11.8	30.6	2.1			31.9	144
	10		11.1	1.4	2.8		14.6	21.5	9.7			29.2	144
	13		6.3	.7	6.3		12.6	13.3	4.2			17.5	143
	16		6.9	.7	3.5		10.4	12.5	2.1			13.9	144
	19		10.3		.8		11.1	17.5	1.6			18.3	126
	22		7.3				7.3	18.5	.8			19.4	124
TOTALS			9.2	.4	2.1		11.3	19.9	3.3			22.4	1073

WEATHER CONDITIONS

5701 WEATHER CONDITIONS JAN 68

FEB
MONTH

73-77
YEARS

QUANTICO, VIRGINIA
STATION NAME

13773
STATION

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
FEB	01		4.4		.9		5.3	17.7	.9			17.7	113
	04		8.0		1.8		9.7	21.2	2.7			23.9	113
	07		6.0		1.7		7.8	18.1	1.7			19.6	116
	10		6.1		2.3		8.3	9.8	3.8			13.6	132
	13		7.6		2.3		9.8	9.8	3.8			13.6	132
	16		7.7		1.5		9.2	12.3	1.5			13.8	130
	19		11.1		1.7		12.8	14.5	2.6			17.1	117
	22		8.0		2.7		9.7	14.2	.9			15.0	113
TOTALS			7.4		1.9		9.1	14.7	2.2			16.8	966

WEATHER CONDITIONS

5701 WEATHER CONDITIONS JAN 68

13773

STATION QUANTICO, VIRGINIA

73-77

MAR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAR	01		13.1		.8		13.9	22.1	3.3			23.8	122
	04		13.7				13.7	28.2	2.4			29.8	124
	07	.8	15.2		.8		15.0	31.2	1.6			32.0	125
	10		10.9		2.0		12.9	19.7	4.1			23.8	147
	13	.7	11.6		2.0		12.9	14.3	5.4			19.7	147
	16		10.6		1.4		11.3	9.2	2.8			11.3	142
	19	.8	14.3		.8		14.3	12.7	3.2			15.9	126
	22		12.9		.8		13.7	21.0	3.2			23.4	124
TOTALS		.3	12.8		1.1		13.6	19.8	3.3			22.5	1057

WEATHER CONDITIONS

5701 WEATHER CONDITIONS JAN 68

APR
MONTH

73-77
YEARS

QUANTICO, VIRGINIA
STATION NAME

13773
STATION

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
APR	01	.8	11.9				11.9	11.0	3.4			14.4	118
	04		5.9				5.9	14.3	4.2			17.6	119
	07		6.5				6.5	10.6	8.1			17.9	123
	10		7.9		.7		8.6	8.6	4.3			12.9	140
	13		5.0		.7		5.0	4.3	2.9			7.2	139
	16		3.0				3.0	4.5	2.3			6.1	132
	19	.8	2.5				2.5	4.2	.8			5.0	120
	22		5.9				5.9	5.1	1.7			6.8	118
TOTALS		.2	6.1		.2		6.2	7.8	3.5			11.0	1009

WEATHER CONDITIONS

5701 WEATHER CONDITIONS JAN 68

13773

QUANTICO, VIRGINIA

STATION

73-77

STATION NAME

YEARS

MAY

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAY	01	1.9	11.2				11.2	25.2	10.3			32.7	107
	04		9.8				9.8	38.5	8.2			44.3	122
	07		7.7				7.7	27.3	17.5			39.9	143
	10		9.7				9.7	13.9	18.1			29.2	144
	13		6.3				6.3	7.7	11.2			18.2	143
	16	3.2	12.8				12.8	8.0	12.0			20.0	125
	19	.9	9.1				9.1	8.2	10.9			19.1	110
	22	2.8	14.0				14.0	18.7	8.4			27.1	107
TOTALS		1.1	10.1				10.1	18.4	12.1			28.8	1001

NAVWEASERVCOM

WEATHER CONDITIONS

5701 WEATHER CONDITIONS JAN 68

JUN
MONTH

73-77
YEARS

QUANTICO, VIRGINIA
STATION NAME

13773
STATION

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUN	01	2.2	8.9				8.9	26.7	18.9			42.2	90
	04	1.7	5.0				5.0	37.0	17.6			47.9	119
	07		5.6				5.6	30.3	21.8			46.5	142
	10		4.2				4.2	7.7	26.1			32.4	142
	13	1.4	6.3				6.3	3.5	22.5			26.1	142
	16	1.6	4.1				4.1	3.3	18.7			22.0	123
	19	1.9	5.8				5.8	5.8	16.3			22.1	104
	22	6.5	6.5				6.5	25.0	20.7			41.3	92
TOTALS		1.9	5.8				5.8	17.4	20.3			35.1	954

NAVWEASERVCOM

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WEATHER CONDITIONS

5701 WEATHER CONDITIONS JAN 68

13773 STATION QUANTICO, VIRGINIA 73-77 YEARS JUL MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUL	01	1.1	6.4				6.4	31.9	25.5			52.1	94
	04	1.7	2.5				2.5	52.1	24.0			66.1	121
	07	.7	3.5				3.5	27.3	35.0			51.7	143
	10	.7	2.8				2.8	4.9	38.5			42.0	143
	13	.7	2.8				2.8	1.4	38.0			38.7	142
	16	2.5	5.0				5.0	.8	33.1			33.9	121
	19	5.8	7.8				7.8	3.9	25.2			29.1	103
	22	4.1	8.2				8.2	22.4	30.6			45.9	98
TOTALS		2.2	4.9				4.9	18.1	31.2			44.9	965

NAVWEASERVCOM

WEATHER CONDITIONS

5701 WEATHER CONDITIONS JAN 68

AUG
MONTH

73-77
YEARS

QUANTICO, VIRGINIA
STATION NAME

13773
STATION

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
AUG	01	2.2	8.6				8.6	54.8	31.2			71.0	93
	04		4.1				4.1	56.9	25.2			69.1	123
	07		3.5				3.5	40.3	31.2			60.4	144
	10		2.7				2.7	10.2	42.9			51.0	147
	13		3.4				3.4	3.4	42.5			45.9	146
	16	3.2	5.6				5.6	5.6	35.5			40.3	124
	19	4.6	11.0				11.0	7.3	37.6			45.0	109
	22	2.1	9.3				9.3	32.0	35.1			57.7	97
TOTALS		1.5	6.0				6.0	26.3	35.2			55.1	983

WEATHER CONDITIONS

5701 WEATHER CONDITIONS JAN 68

PRINTED BY THE STANDARD REGISTER COMPANY, U. S. A.

SEP
MONTH

73-77

QUANTICO, VIRGINIA
STATION NAME

13773
STATION

YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
SEP	01	1.1	8.9				8.9	44.4	22.2			57.8	90
	04	2.2	12.2				12.2	50.0	17.8			57.8	90
	07	.7	10.1				10.1	36.7	12.2			43.2	139
	10		5.7				5.7	11.4	22.1			32.1	140
	13		6.4				6.4	4.3	15.0			19.3	140
	16	2.7	8.0				8.0	3.5	13.3			16.8	113
	19	1.0	5.1				5.1	10.1	17.2			25.3	99
	22	2.2	8.9				8.9	30.0	22.2			43.3	90
TOTALS		1.2	8.2				8.2	23.8	17.8			37.0	901

WEATHER CONDITIONS

5701 WEATHER CONDITIONS JAN 68

OCT
MONTH

73-77
YEARS

13773 QUANTICO, VIRGINIA
STATION NAME

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
OCT	01		7.5				7.5	30.1	9.7			34.4	93
	04		7.0				7.0	33.0	7.8			35.7	115
	07		9.8				9.8	35.3	9.0			38.3	133
	10		8.9				8.9	15.6	14.8			28.1	135
	13	.7	6.6				6.6	8.1	7.4			14.0	136
	16		3.5				3.5	4.4	5.3			8.8	113
	19		4.0				4.0	9.0	9.0			13.0	100
	22		7.5				7.5	20.4	10.8			26.9	93
TOTALS		.1	6.9				6.9	19.5	9.2			24.9	918

WEATHER CONDITIONS

5701 WEATHER CONDITIONS JAN 68

PRINTED BY THE STANDARD REGISTER COMPANY, U. S. A.

NOV
MONTH

73-77

YEARS

QUANTICO, VIRGINIA
STATION NAME

13773
STATION

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
NOV	01		5.7				5.7	12.5	2.3			13.6	88
	04		4.5				4.5	26.1	3.4			28.4	88
	07		7.2		.9		7.2	26.1	4.5			29.7	111
	10		11.0		.8		11.8	14.2	6.3			20.5	127
	13		7.8		.8		8.5	9.3	1.6			10.9	129
	16		3.6		.9		3.6	.9	1.8			2.7	112
	19	1.1	3.3				3.3	6.6	2.2			7.7	91
	22		6.8				6.8	11.4	1.1			11.4	88
TOTALS		.1	6.2		.4		6.4	13.4	2.9			15.6	834

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WEATHER CONDITIONS

5701 WEATHER CONDITIONS JAN 68

DEC
MONTH

73-77

13773 QUANTICO, VIRGINIA
STATION NAME

YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
DEC	01		9.7		3.2		12.9	20.4	3.2			22.6	93
	04		9.7		2.2		11.8	22.6	3.2			24.7	93
	07		9.7		2.7		12.4	19.5	5.3			23.9	113
	10		11.9		3.0		14.8	16.3	5.9			22.2	135
	13		11.9		3.7		15.7	15.7	3.0	.7		18.7	134
	16		12.0		2.6		14.5	12.8	3.4	.9		16.2	117
	19		13.1		2.0		15.2	15.2	2.0	1.0		17.2	99
	22		11.8		1.1		12.9	20.4	3.2	1.1		22.6	93
TOTALS			11.2		2.6		13.8	17.9	3.7	.5		21.0	877

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WEATHER CONDITIONS

5701 WEATHER CONDITIONS JAN 68

ALL MONTH

73-77

13773 QUANTICO, VIRGINIA

STATION NAME

YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	ALL		9.2	.4	2.1		11.3	19.9	3.3			22.4	1073
FEB			7.4		1.9		9.1	14.7	2.2			16.8	966
MAR		.3	12.8		1.1		13.6	19.8	3.3			22.5	1057
APR		.2	6.1		.2		6.2	7.8	3.5			11.0	1009
MAY		1.1	10.1				10.1	18.4	12.1			28.8	1001
JUN		1.9	5.8				5.8	17.4	20.3			35.1	954
JUL		2.2	4.9				4.9	18.1	31.2			44.9	965
AUG		1.5	6.0				6.0	26.3	35.2			55.1	983
SEP		1.2	8.2				8.2	23.8	17.8			37.0	901
OCT		.1	6.9				6.9	19.5	9.2			24.9	918
NOV		.1	6.2		.4		6.4	13.4	2.9			15.6	834
DEC			11.2		2.6		13.8	17.9	3.7	.5		21.0	877
TOTALS		.7	7.9	.0	.7		8.5	18.1	12.1	.0		27.9	11538

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WEATHER CONDITIONS ATMOSPHERIC PHENOMENA

5701 WEATHER CONDITIONS JAN 68

ALL MONTH

49-76

QUANTICO, VIRGINIA

13773 STATION

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA FROM DAILY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	DAILY	.6	37.9	2.9	17.7		46.6	43.0	27.3	1.6		54.5	820
FEB		1.1	39.4	4.0	18.4	.4	47.5	40.6	28.8	1.1		52.2	743
MAR		4.5	46.5	.4	10.8	.1	51.0	39.4	27.3	.4		51.2	802
APR		8.0	48.8	.1	1.2	.5	49.2	32.8	21.8		.1	41.2	803
MAY		15.6	48.8			.4	48.8	44.1	37.5			54.8	816
JUN		19.8	44.1			.4	44.1	43.4	46.0		.1	59.0	778
JUL		24.1	48.1			.6	48.2	45.3	55.2			64.5	784
AUG		19.1	41.4				41.4	51.7	60.5			71.4	812
SEP		9.0	34.9				34.9	49.3	45.9			62.6	769
OCT		2.7	32.4		.2	.1	32.4	50.0	38.9		.1	59.9	850
NOV		1.4	36.6	.3	5.4	.1	38.6	40.7	32.3	.3		52.3	792
DEC		.4	37.7	2.3	14.2	.2	44.2	41.0	29.1	.7		52.5	819
TOTALS		8.9	41.4	.8	3.7	.2	43.9	43.4	37.5	.3	.0	56.3	9608

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

13773

STATION NAME
QUANTICO, VIRGINIA

JAN 73 - DEC 77

MONTH
JANUARY

ALL
HOURS (1-24)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	15.2				1.5	7.6			25.8	6.1				68.2
NNE	10.0		3.3						23.3		10.0			66.7
NE	8.7				8.7	4.3			17.4		8.7			65.2
ENE	11.8					5.9			17.6	5.9	17.6			64.7
E	8.0		4.0	4.0					12.0	4.0	8.0			64.0
ESE	5.0		5.0						25.0	10.0	5.0			65.0
SE	9.1	3.0				3.0			9.1	3.0	6.1			75.8
SSE	6.3				2.1	2.1			4.2	4.2	6.3			79.2
S	10.6		1.9	1.9	1.9				11.5	5.8	3.8			71.2
SSW	2.1		1.9	2.1	2.1				8.5					89.4
SW	13.0		4.3						17.4					82.6
WSW	3.7								7.4					88.9
W	1.1		2.1						3.2	7.4				88.4
WNW	3.2	2.1	2.1			1.1			7.4	1.1	2.1			86.3
NW	5.7					1.9			9.5	7.6	2.9			77.1
NNW	9.4	1.0				4.2			14.6	8.3	2.1			75.0
VARIABLE														
CALM	8.2		1.3	1.3	1.3	9.9			13.2	19.6	4.1			61.2
TOTAL	81	4	14	5	8	18			129	84	36			795
% TOTAL	7.5	.4	1.3	.5	.7	1.7			12.0	7.8	3.4			74.1

TOTAL NUMBER OF OBSERVATIONS 1,073

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PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

13773 QUANTICO, VIRGINIA STATION NAME JAN 73 - DEC 77 YEARS FEBRUARY MONTH ALL HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	8.3				1.4	8.3			13.9	5.6	8.3			68.1
NNE	3.7	3.7	7.4			14.8			29.6	3.7	3.7			55.6
NE			11.3		7.7				7.7	7.7	3.8			73.1
ENE	4.5	4.5	13.6			4.5			18.2	13.6	9.1			54.5
E	19.0								19.0	4.8				71.4
ESE	3.3								3.3	3.3	5.3			84.2
SE	5.0								5.0	5.0				90.0
SSE	4.9		2.4						14.6		2.4			82.9
S	2.6	3.4	1.6						3.1	6.0	1.7			83.8
SSW			3.8						4.8		1.6			93.5
SW		3.8	3.8						7.7					88.5
WSW														100.0
W	2.9		1.5						3.9		1.5			91.2
WNW	3.2		1.1			1.1			6.5	7.5	1.1			83.9
NW	3.3	.9	.9			.9			7.0	7.0				85.1
NNW	5.9		2.4			2.4			12.9	1.2				82.4
VARIABLE														
CALM	3.3	1.6	2.9						14.4	3.8	3.0			74.1
TOTAL	41	10	20		3	15			96	44	22			781
% TOTAL	4.2	1.0	2.1		.3	1.6			9.9	4.6	2.3			80.8

TOTAL NUMBER OF OBSERVATIONS 966

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

STATION 13773 QUANTICO, VIRGINIA STATION NAME JAN 73 - DEC 77 YEARS MARCH MONTH ALL HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	14.5	1.8	1.8			5.5			20.0	7.3				70.9
NNE	10.8	2.7	18.9						37.8	8.1	2.7			40.5
NE	11.5	4.9	23.0			4.9			42.6	9.8	11.5			32.8
ENE	2.7	2.7	10.8						29.7	2.7	3.4			62.2
E	11.5								23.1	3.8	3.8			69.2
ESE	24.4								24.4	4.9	4.9			58.5
SE	1.7								6.7	3.3				86.7
SSE	6.6	3.3	3.3			3.3		1.6	18.0	4.9	1.6			70.5
S	4.4	.7				2.2			8.1	2.2	4.4			80.7
SSW	8.8										2.9			88.2
SW	4.0									4.0	4.0			92.0
WSW	5.3	5.3	5.3							5.3	10.5			84.2
W	3.8	3.8						1.9	1.9	5.8				88.5
WNW	2.5								1.3	5.0				92.5
NW	2.0	2.0	2.0						6.1	6.1	2.0			82.7
NNW	5.7	4.8	1.9			1.0		1.0	6.7	4.8	2.9			81.0
VARIABLE														
CALM	4.9	8.3	3.8						28.6	11.5	4.6			61.8
TOTAL	70	22	43			12		3	146	60	35			779
% TOTAL	6.6	2.1	4.1			1.1		.3	13.8	5.7	3.3			73.7

TOTAL NUMBER OF OBSERVATIONS 1,057

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

13773 QUANTICO, VIRGINIA JAN 73 - DEC 77 APRIL ALL
STATION NAME YEARS MONTH HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	3.8		3.8						11.3					88.7
NNE	13.6		9.1						18.2	13.6	4.5			63.6
NE	11.1		3.7						22.2	3.7	3.7			70.4
ENE	16.0								12.0	12.0	8.0			68.0
E	9.1		4.3						9.1	4.3				81.8
ESE	4.3								4.3					95.7
SE	10.8	2.7	2.7			2.7			8.1	5.4	5.4			78.4
SSE	1.9		1.9						5.7	1.9	11.3			81.1
S	8.8	6.4	.8					.8	1.6	5.6	4.8			84.8
SSW	2.3	4.3							2.3	2.3				93.2
SW														100.0
WSW	9.1	9.1	3.0					1.5						78.8
W														98.4
WNW	.9	.9				.9				1.8	2.7			92.8
NW	2.0		1.3						3.4	2.0	2.0			92.6
NNW		1.0	3.0						5.1	2.0	1.0			90.9
VARIABLE														
CALM	1.0								2.1	2.2	10.2			81.6
TOTAL	30	16	15			2		2	44	34	35			880
% TOTAL	3.0	1.6	1.5			.2		.2	4.4	3.4	3.5			87.2

TOTAL NUMBER OF OBSERVATIONS 1,009

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

13773 STATION NAME QUANTICO, VIRGINIA JAN 73 - DEC 77 YEARS MONTH MAY ALL HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	4.3	2.1	6.4						10.6	12.8	12.8			59.6
NNE	11.5	7.7	7.7						19.2	11.5	19.2			50.0
NE	4.5		2.3						13.6	11.4	9.1			65.9
ENE	19.4	3.2	12.9						35.3	22.6	19.4			29.0
E	11.8	14.7						2.9	20.6	14.7	26.5			29.4
ESE	10.0	5.0							12.5	5.0	10.0			67.5
SE	8.3	5.0	1.7					1.7	11.7	5.0	16.7			61.7
SSE	3.1	5.1						1.0	7.1	7.1	12.2			73.5
S	3.9	1.3							5.8	5.2	16.1			71.6
SSW	9.5	4.8						4.8		9.5	7.1			78.6
SW	9.1									9.1				81.8
WSW										22.2	16.7			61.1
W		11.1						3.7	1.9	24.1	14.8			55.6
WNW	1.2	4.7						2.3	1.2	18.6	11.6			68.6
NW	2.9								5.8	7.8	4.9			81.6
NNW	1.9	1.9						1.9	3.8	3.8	7.5			81.1
VARIABLE														
CALM	4.0	3.0							7.1	10.1	9.1			70.7
TOTAL	51	37	11					10	79	104	123			675
% TOTAL	5.1	3.7	1.1					1.0	7.9	10.4	12.3			67.4

TOTAL NUMBER OF OBSERVATIONS 1,001

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

13773
STAT

13773 QUANTICO, VIRGINIA JAN 73 - DEC 77 JUNE ALL
STATION NAME YEARS MONTH HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET "SHOWERS ICE CRYSTALS	SNOW "GRAINS "PELLETS "SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	8.3	13.9						2.8	27.8	2.8	16.7			47.2
NNE	4.5	4.5	4.5						13.6	13.6	13.6			68.2
NE	3.1	6.3	6.3					3.1	21.9	9.4	21.9			46.9
ENE			6.7						10.0	3.3	23.3			60.0
E		4.2						4.2		4.2	43.8			43.8
ESE								2.9	2.9		14.7			79.4
SE									3.8	1.9	18.9			75.3
SSE	1.1	1.1						2.2	3.4	2.2	28.1			66.3
S	3.8	2.2						1.6	4.8	5.9	23.1			64.0
SSW		4.0						2.0	2.0	4.0	14.0			76.0
SW	3.3	3.3								10.0	16.7			66.7
WSW		8.7						8.7	8.7	13.0	13.0			63.2
W	2.9	2.9								14.3	29.7			60.0
WNW		6.0						3.0	3.0	16.4	14.9			62.7
NW		3.2						1.1	3.2	24.5	19.1			57.4
NNW	1.9	3.8						1.9	5.7	17.0	19.1			62.3
VARIABLE														
CALM														
TOTAL	16	32	6					16	56	104	194			593
% TOTAL	1.7	3.4	.6					1.7	5.9	10.9	20.3			62.2

TOTAL NUMBER OF OBSERVATIONS 954

5708% FREQUENCY OF WIND DIRECTION VS WEATHER JAN 68

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

13773 STATION QUANTICO, VIRGINIA JAN 73 - DEC 77 MONTH JULY ALL

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N										12.5	25.0			62.5
NNE											33.3			66.7
NE								6.3		12.5	43.8			43.8
ENE	10.0	5.0							20.0	5.0	30.0			50.0
E		3.7							11.1	11.1	44.4			44.4
ESE	4.2	8.3						4.2	4.2	12.5	37.5			50.0
SE	1.9	3.7						1.9		3.7	37.0			55.6
SSE										1.1	41.1			57.8
S	1.9	1.9						1.3	1.3	5.1	30.9			63.3
SSW	1.3	6.1						3.0	1.5	7.6	19.2			71.2
SW		4.3						4.3	8.7	4.3	21.7			65.2
WSW		14.8						7.6		18.5	33.3			40.7
W		14.3						8.2	2.0	8.2	30.6			51.0
WNW	1.1	3.6						3.4	3.4	29.5	27.3			48.9
NW	.9	1.7						.9	3.5	20.0	31.3			48.7
NNW	1.5									18.5	30.8			56.9
VARIABLE														
CALM														
TOTAL	12	32						19	29	139	305			512
% TOTAL	1.2	3.3						2.0	3.0	14.4	31.6			53.1

TOTAL NUMBER OF OBSERVATIONS 965

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

19773 QUANTICO, VIRGINIA STATION NAME JAN 73 - DEC 77 YEARS MONTH ALL HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N		6.3							12.5	3.1	3.1			78.1
NNE		8.0	4.0					6.0		12.0	16.0			60.0
NE	5.4	5.4							8.1	5.4	40.5			48.6
ENE	9.1	3.0	3.0					3.0	6.1	12.1	30.3			51.5
E	3.8	3.8							3.8		38.5			53.8
ESE									6.3	6.3	37.5			50.0
SE	1.8									12.3	50.9			38.6
SSE										5.3	50.7			45.3
S	9.9	2.6						.9	3.4	12.1	41.4			42.2
SSW	1.9	7.5							1.9	18.9	37.7			41.5
SW		3.6							3.6	17.9	35.7			50.0
WSW										21.4	50.0			35.7
W		2.4							2.4	14.6	46.3			39.0
WNW	1.1	3.3						3.3	3.3	31.1	23.3			45.6
NW	1.8	5.4						3.6	.9	36.0	33.3			36.9
NNW		3.9	1.3						6.5	27.3	24.7			50.6
VARIABLE														
CALM	4.6	2.6						1.3	8.6	16.8	16.2			28.3
TOTAL	19	33	3					13	40	205	349			423
% TOTAL	1.9	3.4	.3					1.3	4.1	20.9	35.5			43.0

TOTAL NUMBER OF OBSERVATIONS 983

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

13773

QUANTICO, VIRGINIA

JAN 73 - DEC 77

SEPTEMBER

ALL

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREZING RAIN FREEZING DRIZZLE	SLEET - SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	18.4	7.9							13.2	7.9	5.3			68.6
NNE	24.2	9.1							15.2	12.1	12.1			54.5
NE	7.7	2.6	2.6						7.7	7.7	5.1			79.5
ENE	15.8								15.8	5.3	23.7			52.6
E	7.9	2.6							7.9	7.9	18.4			65.8
ESE										7.7	30.8			61.5
SE	2.7	2.7							2.7		24.3			70.3
SSE	1.6	1.6	1.6						6.6	1.6	22.2			71.4
S	.9	.9	.9					.9	6.6	6.6	18.9			67.0
SSW								2.9	6.6	14.3	23.7			54.3
SW	5.9									11.8	35.3			52.9
WSW	7.7							7.7	7.7	15.4	23.1			53.8
W	6.7	3.3						3.3	3.3	16.7	10.0			66.7
WNW	2.9								1.4	21.4	15.7			62.9
NW		3.3						.8	6.1	29.3	14.8			59.0
NNW	5.2	5.2	1.0					5.1	6.3	10.4	7.3			70.8
VARIABLE														
CALM														
TOTAL	42	25	5					10	57	142	156			556
% TOTAL	4.7	2.8	.6					1.1	6.3	15.8	17.3			61.7

TOTAL NUMBER OF OBSERVATIONS

901

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5708-5 FRE WIND DIR. VS WEATHER N 68

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

13773 QUANTICO, VIRGINIA JAN 73 - DEC 77 OCTOBER ALL

STATION NAME YEARS MONTH HOURS 12.5.7.7

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	7.5	3.8	3.8						17.0	5.7	1.9			73.6
NNE	5.0	10.0	10.0						25.0	5.0	5.0			60.0
NE	9.4	3.1	6.3						12.5	15.6	18.8			53.1
ENE	8.3		4.2						16.7	12.5	8.3			62.5
E			4.0						16.0	4.0	16.0			68.0
ESE	7.4	7.4							7.4	11.1	18.3			83.7
SE	7.0	2.3							7.0	7.0	11.6			66.7
SSE	2.9	1.0	1.0						4.9	5.8	14.6			72.1
S		3.7							3.7	3.7	7.4			74.8
SSW	7.1													81.5
SW	7.7	15.4												92.9
WSW	9.1								4.3	4.3	9.1			76.9
W	2.3	1.1							2.3	9.2	1.1			81.8
WNW	.6		1.1						5.1	19.7	10.1			86.2
NW	7.1	.9	1.4					.9	6.3	9.8	2.7			70.8
NNW														83.0
VARIABLE														
CALM														
TOTAL	37	14	13					1	62	116	85			671
% TOTAL	4.0	1.5	1.4					.1	6.8	12.6	9.3			73.1

TOTAL NUMBER OF OBSERVATIONS 918

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

13773

QUANTICO, VIRGINIA

JAN 73 - DEC 77

NOVEMBER

ALL

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	6.3	6.3	2.1			2.1			8.3	2.1				65.4
NNE	29.4								17.6	11.8				52.9
NE	7.1								14.3		14.3			71.4
ENE														100.0
E	10.0	10.0						10.0	30.0	10.0	10.0			50.0
ESE														100.0
SE	7.7								23.1	7.7	7.7			61.5
SSE	6.7	3.3							16.7	6.7	6.7			73.3
S	2.9	3.6							7.3	4.4	6.6			77.4
SSW										7.9				92.1
SW	7.4	3.7							3.7					88.9
WSW	3.7									7.4				88.9
W		2.6							5.1	2.6				89.7
WNW	2.4								1.2	9.3	6.0			84.3
NW	4.7	.8							6.2	5.4	1.6			84.3
NNW	6.3	2.2			1.1	2.2			2.2	2.2	1.1			67.1
VARIABLE														
CALM	2.3								6.3	14.6	1.7			13.0
TOTAL	37	15	2		1	3		1	52	58	25			675
% TOTAL	4.4	1.8	.2		.1	.4		.1	6.2	7.0	3.0			80.9

TOTAL NUMBER OF OBSERVATIONS

834

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

13773 QUANTICO, VIRGINIA JAN 73 - DEC 77 DECEMBER ALL
STATION NAME STATION STATE MONTH YEARS HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	12.1		6.9		1.7	6.9			13.5	5.2	1.7			65.3
NNE	17.4					8.7			17.4	8.7	8.7			56.3
NE	29.2								20.6	4.2	4.2			62.3
ENE	13.8								5.3		10.3			73.7
E	26.7								13.3		6.7			66.7
ESE	20.0	10.0							10.0	10.0				70.0
SE	11.8	5.9							5.9	5.9				76.3
SSE	5.4		2.7						13.3	2.7				81.1
S	8.0	.9	3.5			.9			10.6	3.3	2.7			76.1
SSW	6.1	2.0	2.0						2.0	4.1				87.8
SW	5.3	13.8	5.3						5.3					73.7
WSW	7.1								7.1					92.9
W	10.7		3.6						7.1	3.6	3.6			82.1
WNW	4.9					1.2			7.3	9.8	3.7	1.2		76.8
NW	3.3					2.3			7.6	9.8	3.0	1.5		78.8
NNW	3.8	1.0	1.9		1.9	6.7			13.3	2.9	3.8	1.0		76.9
VARIABLE														
CALM	8.8	8.8				1.3			16.3	11.3	8.3			63.2
TOTAL	76	9	14		3	20			97	57	33	4		650
% TOTAL	8.7	1.0	1.6		.3	2.3			11.1	6.3	3.8	.5		74.1

TOTAL NUMBER OF OBSERVATIONS 877

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

13773

QUANTICO, VIRGINIA

JAN 73 - DEC 77

ALL

ALL

STATION NAME

YEARS

MONTH

HOURS (LST/UT)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	9.3	2.9	2.2		.5	3.3		.2	15.5	5.7	5.0			70.3
NNE	11.2	4.1	6.1			2.0		.7	19.7	7.5	9.9			56.8
NE	8.3	2.6	6.4		1.1	1.1		.5	18.1	6.0	14.7			57.3
ENE	10.0	1.7	5.0			.7		.3	17.3	8.6	16.9			56.8
E	8.2	3.4	1.0	.3				1.0	19.0	6.1	19.8			58.4
ESE	7.7	1.9	1.2					.8	10.0	5.4	12.7			69.9
SE	4.7	2.4	1.1			.4		.4	5.8	5.1	18.8			67.9
SSE	3.3	1.5	.8		.1	.4		.5	6.6	3.7	19.8			69.1
S	3.5	2.1	.6	.1	.1	.3		.5	5.7	5.7	14.7			71.2
SSW	2.6	2.9	.4	.2	.2			1.1	2.9	6.0	9.7			76.6
SW	4.1	3.0	1.1					.4	4.1	4.8	10.0			77.8
WSW	3.7	5.0	.8					2.1	2.5	8.3	11.2			72.7
W	2.3	3.3	.7					1.6	3.0	8.0	10.1			76.7
WNW	2.1	1.7	.3			.4		1.0	3.2	13.0	8.8	.1		75.0
NW	2.4	1.3	.6			.4		.5	5.2	14.3	10.1	.1		71.9
NNW	4.4	2.1	1.3		.3	1.3		.7	7.3	8.3	6.9	.1		76.2
VARIABLE														
CALM	4.3	1.6	1.0	.1	.1	.3		.3	18.3	21.0	13.5			57.8
TOTAL	512	249	146	5	15	70		75	887	1147	1398	4		7990
% TOTAL	4.4	2.2	1.3	.0	.1	.6		.7	7.7	9.9	12.1	.0		69.2

TOTAL NUMBER OF OBSERVATIONS

11,538

NWSD, Federal Building
Asheville, N. C.

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

This portion of the Uniform Summary presents in two sets of tables, the daily amounts and extreme values of the following:

PRECIPITATION	DERIVED FROM DAILY OBSERVATIONS
SNOWFALL*	DERIVED FROM DAILY OBSERVATIONS
SNOW DEPTH	DERIVED FROM DAILY OBSERVATIONS

1. The first table for each of the above presents the percentage frequency of various daily amounts, by month and annual, all years combined. The percentage of days with measurable amounts is also computed monthly and annually. Also shown for the precipitation and snowfall tables, are the monthly mean amounts, annual mean amounts (sum of monthly mean amounts), and the extreme monthly amounts (greatest and least). The latter statistics above are not presented for the snow depth summary since they would have limited use and may be misleading.
2. The second set of tables for each of the above presents the extreme daily amounts by individual year and month for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months). The extremes for a month are not printed nor used in computations if one or more observations are missing.

NOTE: Snow depth was recorded and punched at various hours during the period available from U. S. operated stations. The periods and hours used in the snow depth summary vary by service and period as follows:

Air Force Stations	From beginning of record thru 1945	Snow depth at 0800 LST
	Jan 46-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT
U. S. Navy and Weather Bureau Stations	From beginning of record thru Jun 52	Snow depth at 0030 GCT
	Jul 52-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT

* Hail was included in snowfall occurrence in the summary of the day observation prior to Jan 1956,

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
PRECIPITATION
(FROM DAILY OBSERVATIONS)

13773 STATION QUANTICO, VIRGINIA 45-76 YEARS

AMOUNTS (INCHES)																	PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
PRECIP.	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00								
														MEAN	GREATEST	LEAST					
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4								
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120								
JAN	54.6	11.4	1.6	5.7	5.4	9.5	6.3	4.6	.9					34.0	930	2.79	5.01	.31			
FEB	55.9	13.4	1.9	5.3	4.5	7.0	5.4	5.3	1.3					30.7	848	2.63	6.02	.39			
MAR	52.5	12.6	2.7	5.4	4.6	7.6	6.5	6.9	1.2					34.9	992	3.24	6.39	.50			
APR	50.9	14.6	2.8	7.3	5.6	6.7	5.4	4.8	2.0					34.6	900	3.01	7.46	.64			
MAY	49.3	14.1	2.3	6.6	5.2	8.6	6.5	5.6	1.9					36.6	899	3.39	9.23	.33			
JUN	56.3	12.9	2.0	5.0	5.3	6.8	5.4	4.0	2.0	.3	.1			30.8	960	3.27	10.15	.67			
JUL	54.8	12.6	2.1	5.8	5.0	6.9	5.3	4.6	2.6	.3				32.6	961	3.66	9.74	1.09			
AUG	58.8	11.1	1.2	6.5	3.0	5.8	5.4	4.5	3.1	.6				30.1	930	4.29	11.77	.52			
SEP	63.7	9.7	1.7	5.5	3.8	4.0	4.9	4.1	2.3	.4				26.7	930	3.31	13.52	.13			
OCT	67.7	11.2	1.4	3.5	2.6	4.6	3.9	3.0	1.8	.2				21.1	930	2.47	5.16	.05			
NOV	61.0	10.4	1.7	5.1	3.8	6.7	5.0	3.9	2.4					28.6	900	2.99	6.99	.44			
DEC	58.0	12.4	2.2	5.5	3.7	5.5	5.7	4.4	2.6					29.7	961	3.27	7.77	.23			
ANNUAL	57.0	12.2	2.0	5.6	4.4	6.6	5.5	4.6	2.0	.1	.0			30.9	11141	3.32					

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOWFALL
(FROM DAILY OBSERVATIONS)

13773 STATION QUANTICO, VIRGINIA 45-76 YEARS

5722 Daily Amounts Jan. 1969

AMOUNTS (INCHES)															PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)			
PRECIP.	NONE	TRACE	0.1-0.4	.01	.02-.05	.06-10	11-.25	.26-.50	51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST	
SNOWFALL	NONE	TRACE	0.1-0.4	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120						
SNOW- DEPTH	NONE	TRACE																		
JAN	83.2	9.0	2.1	3.2	.9	.3	.5	.3	.5	.7	.2	.1	.6	.2	.1	7.8	868	4.2	26.4	TRACE
FEB	82.5	10.1	1.8	2.2	1.3	.7	.2	.6	.2	.1	.6	.2	.1	.6	.2	7.3	819	4.2	16.0	.0
MAR	90.1	6.6	.6	.8	.3	.3	.3	.3	.4	.6	.6	.6	.6	.6	.6	3.3	899	3.2	27.9	.0
APR	98.6	.9	.1	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.5	870	.2	4.0	.0
MAY	100.0																837	.0	.0	.0
JUN	100.0																900	.0	.0	.0
JUL	100.0																930	.0	.0	.0
AUG	100.0																899	.0	.0	.0
SEP	100.0																900	.0	.0	.0
OCT	99.8	.2															930	TRACE	TRACE	.0
NOV	95.7	3.3	.4		.2	.2	.1		.1			.1				1.0	840	1.1	16.8	.0
DEC	87.0	8.6	.6	1.2	.9	.5	.4	.4	.3	.4						4.4	930	3.4	17.0	TRACE
ANNUAL	94.7	3.2	.5	.6	.3	.2	.1	.1	.1	.1	.0	.0	.0	.0	2.0	10622	16.3			

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOW DEPTH
(FROM DAILY OBSERVATIONS)

13773 STATION QUANTICO, VIRGINIA STATION NAME 45-76 YEARS

PRECIP. SNOWFALL SNOW- DEPTH	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00	PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
																MEAN	GREATEST	LEAST
JAN	82.0	6.2	4.1	2.2	2.0	1.7	1.5	.2					11.8	806				
FEB	85.5	4.1	2.1	1.8	1.4	2.2	2.2	.5		.1			10.5	763				
MAR	96.1	1.4	.2	.5	.4	1.1	.4						2.5	837				
APR	99.5	.5												810				
MAY	100.0													775				
JUN	100.0													840				
JUL	100.0													837				
AUG	100.0													806				
SEP	100.0													810				
OCT	100.0													806				
NOV	98.7	.7	.3	.1	.1	.1								.7	750			
DEC	89.3	4.2	2.2	1.2	.7	2.0		.2	.1					6.5	899			
ANNUAL	95.9	1.4	.7	.5	.4	.6	.3	.1	.0	.0				2.7	9739			

EXTREME VALUES

PRECIPITATION (FROM DAILY OBSERVATIONS)

13773 QUANTICO, VIRGINIA
STATION NAME

45-76

YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
45	.39	.46	.21	2.34	1.13	1.39	1.37	.50	1.01	.68	.78	1.42	
46	.59	.48	.55	1.32	.90	.53	1.14		.82	.66	.75	1.13	
47	.47	.46	.24	.57	.57	1.07	.74	1.61	.98	.83	1.24	.64	
48	1.54	.42	1.00	1.35	1.37	1.08	1.43	2.89	.86	1.40	.83	1.42	2.89
49	.67	.42	.68	.73	1.49	.87	1.56	1.93	.75	.57	.50	.45	1.93
50	.67	.42	.81	.70	.93	.28	1.39	1.39	3.15	.84	.80	1.79	
51	.42	1.28	2.09	.71	.60	2.65	.85		.90	.75	1.65	.94	
52	.91	.63	.79	1.09		.30	1.38	1.82	.84	.26	2.08	.63	
53	1.29	.83	1.15	2.40	1.16	2.66	1.20	.62	.95	3.44	2.30	.87	3.44
54	.64	.82	.81	1.00	.75	.25	2.40	1.38	.40	1.21	.37	1.45	2.40
55	.10	.92	.66	1.46	.70	2.11	2.20	4.39	.28	1.26	.66	.14	4.39
56	.68	.90	1.10	1.32	.83	1.28	1.90	1.15	1.98	1.07	1.47	.64	1.98
57	.85	1.14	.62	.40	.13	1.59	.46	3.52	.83	2.74	.93	1.72	3.52
58	1.82	1.02	1.91	1.10	.90	1.12	1.41	4.70	.88	1.35	1.05	1.76	4.70
59	.72	.52	.75	1.39		2.85	1.96	1.82	1.84		.83	1.22	
60	.88	1.06	.71	1.25	1.99	2.43	.84	1.56	2.14	1.06	.13	.47	2.43
61	.78	1.88	.87	.84	.79	.81	1.02	1.44	.08	1.57	.41	.70	1.88
62	1.07	1.05	.85	.70	1.38	.69	1.09	.79	1.36	.26	1.08	1.17	1.38
63	.64	.46	1.36	.40		2.31	.43	.16	1.41	.05	2.44	.87	
64	1.00	.70	.69	.70	.35	1.33	.64	.72	1.41	.93	.51	1.12	1.41
65	.52	1.00	1.04	.34	.78	1.03	.85	1.52	.67	1.79	.22	.16	1.79
66	.94	.99	1.05	.76	.61	.39	.42	.38	3.16	2.00	.33	.87	3.16
67	1.02	.80	.69	.20	.56	.42	1.29	.74	.10	.45	.60	.77	1.29
68	.55	.23	1.34	.35	.93	1.20	2.76	2.42	2.19	.91	1.47	.72	2.76
69	1.00	1.01	.68	.49	.63	.40	2.24	1.38	.46	.78	.69	1.59	2.24
70	.64	.97	.64	1.84	.90	.40	1.21	.92	1.30	1.47	2.41	.95	2.41
71	.72	1.40	1.21	1.73	1.65	.81	.83	4.37	.75	1.87	1.44	1.29	4.37
72	.60	1.11	.57	1.33	1.13	5.01	.79	.66	.99	1.53	1.60	1.20	5.01
73	.63	1.54	.57	1.34	.79	.94	2.93	2.52	1.81	1.29	.40	1.61	2.93
74	1.05	.29	1.12	1.39	1.35	1.43	1.23	1.67	2.14	.42	.78	2.40	2.40
MEAN													
S. D.													
TOTAL OBS.													

5723 Extreme Values Jan 1969

EXTREME VALUES

PRECIPITATION
(FROM DAILY OBSERVATIONS)

45-76

STATION	STATION NAME
13773	QUANTICO, VIRGINIA

YEARS

24 HOUR AMOUNTS IN INCHES

[illegible]

5723 Extreme Values Jan 1969

PRECIPITATION
(FROM DAILY OBSERVATIONS)

13773	STATION
<u>QUANTICO, VIRGINIA</u>	
STATION NAME	

45-76

YEARS

24 HOUR AMOUNTS IN INCHES
/BASED ON LESS THAN FULL MONTHS/

[illegible]

NAVWEASERVCOM

EXTREME VALUES

SNOWFALL
(FROM DAILY OBSERVATIONS)

13773

QUANTICO, VIRGINIA

STATION NAME

STATION

YEARS

24 HOUR AMOUNTS IN INCHES

5723 Extreme Values Jan 1969

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
45	.7	.3		.0			.0	.0	.0	.0	TRACE	3.0	
46		5.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	2.2	
47			.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	
48	.4	.2		.0	.0	.0	.0	.0	.0	.0	.0	TRACE	
49	TRACE		8.0	.0	.0	.0	.0	.0	.0	.0	3.0	4.0	
50	.6	2.0	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	5.1	
51	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	
52	.4	.0	.9	TRACE	.0	.0	.0	.0	.0	.0	16.7	TRACE	16.7
53	4.0	.3	TRACE	TRACE	.0	.0	.0	.0	.0	TRACE	TRACE	TRACE	4.0
54	1.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	2.4
55	.7	TRACE	.7	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	
56	3.2	1.0	.3	.5	.0	.0	.0	.0	.0	.0	.0	6.8	
57	.2	9.9	8.1	.0	.0	.0	.0	.0	.0	.0	.0	1.5	9.9
58	1.8	TRACE	TRACE	4.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	
59	TRACE	3.8	7.1	.0	.0	.0	.0	.0	.0	.0	TRACE	4.2	7.1
60	6.9	11.5	TRACE	.0	.0	.0	.0	.0	.0	.0	1.6	2.2	11.5
61	2.0	2.7	4.2	.0	.0	.0	.0	.0	.0	.0	TRACE	6.9	6.9
62	.8	2.8	.8	.0	.0	.0	.0	.0	.0	.0	TRACE	8.7	
63	4.0	6.0	3.2	.3	.0	.0	.0	.0	.0	.0	TRACE	TRACE	6.0
64	4.7	3.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.4	4.7
65	9.4	5.1	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	8.7	9.4
66	1.3	8.0	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	3.0	6.0
67	5.0	2.0	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	5.0
68	TRACE	1.6	5.7	.0	.0	.0	.0	.0	.0	.0	TRACE	.6	5.7
69	4.4	1.9	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	3.3	4.4
70	4.0	1.0	4.7	1.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	4.7
71	TRACE	3.0	.0	TRACE	.0	.0	.0	.0	.0	TRACE	.2	TRACE	3.0
72	TRACE	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	3.5	3.5
73	TRACE	2.9	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	2.9
74	TRACE												
MEAN													
S. D.													
TOTAL OBS.													

NAVWEASERVCOM

SNOWFALL
FROM DAILY OBSERVATIONS

13773	QUANTICO, VIRGINIA
STATION	STATION NAME

45-76

YEARS

24 HOUR AMOUNTS IN INCHES

[illegible]

NAVWEASERVCOM

EXTREME VALUES

SNOWFALL

(FROM DAILY OBSERVATIONS)

13773 QUANTICO, VIRGINIA

STATION NAME

45-76

YEARS

24 HOUR AMOUNTS IN INCHES
/BASED ON LESS THAN FULL MONTHS/

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
45		1.4 22	0	0	0	0	.0 30		.0 27			3.5 27	SNOWFALL DAYS
46			.0 27		.0 24	.0 29	.0 30						SNOWFALL DAYS
47	2.6 30			.0 29									SNOWFALL DAYS
48	4.0 30	2.0 27											SNOWFALL DAYS
49			TRACE 29					.0 29			TRACE 29		SNOWFALL DAYS
50		3.1 26					.0 29						SNOWFALL DAYS
51								.0 30					SNOWFALL DAYS
56											TRACE 29		SNOWFALL DAYS
59					.0 30					.0 30			SNOWFALL DAYS
63					.0 30								SNOWFALL DAYS
75											TRACE 27		SNOWFALL DAYS
76	TRACE 30			.0 28					.0 29	.0 26	TRACE 21	1.0 21	SNOWFALL DAYS
MEAN													
S. D.													
TOTAL OBS.													

EXTREME VALUES

SNOW DEPTH

(FROM DAILY OBSERVATIONS)

13773

QUANTICO, VIRGINIA

STATION NAME

43-76

YEARS

DAILY SNOW DEPTH IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
45				0			0			0			
46													
47													
48													
49	1	2	7	0	0	0	0		0	0	0	0	0
50	0				0	0		0	0		3	30	2
51	10	1	0	0	0	0				0	0	15	
52	TRACE	TRACE	TRACE	0	0	0	0	0	0	0	TRACE	0	
53	TRACE	0	2	TRACE	0	0	0	0	0	0	0	TRACE	5
54	4	0	0	TRACE	0	0	0	0	0	0	0	0	4
55	1	2	0	0	0	0	0	0	0	0	0	0	2
56	TRACE	0	0	0	0	0	0	0	0	0	0	TRACE	
57	4	TRACE	0	0	0	0	0	0	0	0	0	4	4
58	TRACE	40	TRACE	0	0	0	0	0	0	0	0	1	40
59	TRACE	0	0	TRACE		0	0	0	0	0	0	0	
60	0	3	7	0	0	0	0	0	0	0	0	6	7
61	10	15	0	0	0	0	0	0	0	0	2	TRACE	15
62	2	2	4	0	0	0	0	0	0	0	0	5	5
63	2	TRACE	TRACE	0	0	0	0	0	0	0	0	4	
64	7	6	2	TRACE	0	0	0	0	0	0	TRACE	TRACE	7
65	5	2	TRACE	0	0	0	0	0	0	0	0	TRACE	5
66	22	20	0	0	0	0	0	0	0	0	0	6	22
67	3	9	0	0	0	0	0	0	0	0	1	4	9
68	5	0	10	0	0	0	0	0	0	0	TRACE	0	10
69	0	TRACE	2	0	0	0	0	0	0	0	0	1	2
70	5	2	0	0	0	0	0	0	0	0	0	1	5
71	7	1	3	0	0	0	0	0	0	0	0	TRACE	7
72	0	2	0	TRACE	0	0	0	0	0	0	0	0	2
73	TRACE	0	0	0	0	0	0	0	0	0	0	6	6
74	0	3	0	0	0	0	0	0	0	0	0	0	3
MEAN													
S. D.													
TOTAL OBS.													

NAVWEASERVCOM

5723 Extreme Values Jan 1969

SNOW DEPTH
(FROM DAILY OBSERVATIONS)

45-76

STATION NAME

YEARS

DAILY SNOW DEPTH IN INCHES

[illegible]

NAVWEASERVCOM

5723 Extreme Values Jan 1969

EXTREME VALUES

SNOW DEPTH
(FROM DAILY OBSERVATIONS)

13773 QUANTICO, VIRGINIA
STATION NAME

45-76

YEARS

DAILY SNOW DEPTH IN INCHES
/BASED ON LESS THAN FULL MONTHS/

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
45		50 4	0 0	0 0	0 0	0 0	1 0	0 0	0 0		0 0	0 0	SNOW DPTH DAYS
46	0	0	1 0		0 0	29 0		30 0	0 0	0 0	0 0	0 0	SNOW DPTH DAYS
47	0	0	0	0	0	1	0	0	0	0	1		SNOW DPTH DAYS
48	0	0	0	0	0	0	0	0	0	0			SNOW DPTH DAYS
49	3	0	TRACE 29	0	0	0	0	0		0	TRACE 28		SNOW DPTH DAYS
50		30 25		0 27	0		0 29	29 0		0 30			SNOW DPTH DAYS
51							0 30	0 30	0 29				SNOW DPTH DAYS
52	TRACE 27												SNOW DPTH DAYS
56											0 29		SNOW DPTH DAYS
59					0 30					0 30			SNOW DPTH DAYS
63					0 30								SNOW DPTH DAYS
75											0 27		SNOW DPTH DAYS
76	0 30		0 28						0 29	0 26	0 21	1 21	SNOW DPTH DAYS
MEAN													
S. D.													
TOTAL OBS.													

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

1946-1976

YEARS

DAILY EXTREME AMOUNTS

JANUARY
MONTH

FEBRUARY
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.90	23	1948	4.0	102	1971
2	0.36	9	1972	T	T	1968*
3	0.88	22	1960	T	T	1970*
4	0.72	18	1971	T	T	1952*
5	1.24	31	1949	T	T	1957*
6	1.07	27	1962	1.5	38	1968
7	0.54	14	1976	1.9	48	1970
8	0.46	12	1953	T	T	1976*
9	1.00	25	1964	2.2	56	1957
10	0.91	23	1952	2.0	51	1962
11	0.27	7	1974*	1.2	30	1954
12	0.67	17	1950	4.0	102	1964
13	1.47	37	1948	3.0	76	1964
14	1.82	46	1958	1.8	46	1957
15	0.78	20	1961	5.0	127	1968
16	0.60	15	1959	2.5	63	1965
17	0.64	16	1970	1.0	25	1971
18	0.31	8	1969	T	T	1965*
19	0.59	15	1975	5.4	137	1961
20	0.59	15	1947	4.4	112	1970
21	1.54	39	1949	0.3	8	1966
22	0.64	16	1954	4.0	102	1954
23	0.33	8	1965	0.3	8	1968
24	1.29	33	1953	4.0	102	1948
25	0.92	23	1958	T	T	1968*
26	1.26	32	1976	9.4	239	1966
27	1.07	27	1976	1.0	25	1959
28	0.87	22	1952	0.2	5	1946
29	0.87	22	1966	8.7	221	1966
30	0.77	20	1966	7.7	196	1966
31	0.61	15	1949	0.8	20	1963
Monthly	1.82	46	1958	9.4	239	1966

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.74	19	1957	1.4	36	1962
2	1.54	39	1973	2.2	56	1975
3	0.99	25	1972	0.5	13	1971
4	0.49	12	1956	4.5	114	1975
5	0.84	21	1960	1.0	25	1948
6	0.92	23	1955	1.0	25	1948
7	1.40	36	1971	5.3	135	1967
8	1.88	48	1961	11.5	292	1961
9	0.97	25	1970	2.7	69	1962
10	0.60	15	1970	1.1	28	1964
11	0.60	15	1964	6.0	152	1964
12	0.55	14	1975	3.9	99	1961
13	1.11	28	1972	3.8	97	1960
14	0.63	16	1973	3.0	76	1965
15	1.02	26	1958	9.9	251	1958
16	0.65	17	1952	2.2	56	1962
17	0.80	20	1967	8.0	203	1967
18	1.06	27	1960	1.0	25	1967
19	0.77	20	1972	1.6	41	1972
20	0.48	12	1947	5.0	127	1947
21	0.82	21	1954	0.5	13	1960
22	1.16	29	1971	2.0	51	1948
23	1.01	26	1969	2.4	61	1972
24	0.99	25	1966	5.1	130	1966
25	0.82	21	1960	3.1	79	1950
26	1.14	29	1957	0.9	23	1950
27	0.75	19	1962	T	T	1973
28	0.56	14	1966	3.0	76	1964
29	0.23	6	1968	2.0	51	1968
30						
31						
Monthly	1.88	48	1961	11.5	292	1961

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

5724 DAILY AMOUNTS MAR 1978

1945-1976

13773 QUANTICO, VIRGINIA
STATION NAME

YEARS

APRIL
MONTH

MARCH
MONTH

DAY	PRECIPITATION GREATEST			PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE	INCHES	MM	DATE
1	1.32	34	1948	0.3			8		1964
2	1.84	47	1970						
3	1.25	32	1960						
4	0.70	18	1973	T			T		1954
5	1.04	26	1960						
6	2.40	61	1953	1.0	25	1971			
7	0.91	23	1972	T			T		1972*
8	1.39	35	1974	T			T		1972
9	0.29	7	1961						
10	0.63	16	1958						
11	0.50	13	1959	T			T		1973
12	0.91	23	1959	4.0	102	1959			
13	1.00	25	1953	0.5	13	1957			
14	1.84	47	1970						
15	0.79	20	1975						
16	1.50	38	1953						
17	2.34	59	1945						
18	0.41	10	1960						
19	0.60	15	1964						
20	0.62	16	1970	T			T		1953
21	0.59	15	1958	T			T		1953
22	1.33	34	1972						
23	0.71	18	1970						
24	0.72	18	1955						
25	1.32	34	1946						
26	0.37	9	1952						
27	1.34	34	1973						
28	0.70	18	1950						
29	0.70	18	1964						
30	0.84	21	1953						
31									
Monthly	2.40	61	1953	4.0	102	1959			

DAY	PRECIPITATION GREATEST			PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE	INCHES	MM	DATE
1	0.62	17	1954	5.7	145	1969			
2	0.58	15	1948	2.6	66	1969			
3	1.21	31	1971	7.1	180	1960			
4	0.82	21	1955	T			T		1971*
5	1.04	26	1965	4.2	107	1962			
6	1.01	26	1963	2.2	56	1962			
7	1.00	25	1948	4.7	119	1969			
8	0.64	16	1956	2.2	58	1947			
9	0.99	25	1976	7.8	198	1958			
10	0.40	10	1949	2.9	74	1960			
11	1.36	35	1963	0.8	20	1963			
12	1.34	34	1968	T			T		1968
13	2.09	53	1951	3.8	97	1958			
14	1.10	28	1956	T			T		1970*
15	0.81	21	1953	T			T		1970*
16	0.63	16	1956	8.0	203	1950			
17	0.57	14	1972	0.2	5	1965			
18	0.68	17	1949	0.7	18	1956			
19	1.91	49	1958	8.0	203	1958			
20	1.09	28	1958	8.1	206	1958			
21	1.12	28	1974	0.2	5	1963*			
22	0.87	22	1961	T			T		1964
23	0.79	20	1952	T			T		1967
24	1.15	29	1953	T			T		1965*
25	0.70	18	1953	T			T		1957*
26	0.65	17	1965	4.7	119	1971			
27	0.54	14	1958	0.5	13	1947			
28	0.10	3	1950	T			T		1959
29	0.81	21	1974	T			T		1970
30	0.99	25	1974	3.2	81	1964			
31	0.94	24	1976	T			T		1964
Monthly	2.09	53	1951	8.1	206	1958			

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

13773 STATION
QUANTICO, VIRGINIA
STATION NAME

MAY
MONTH

DAILY EXTREME AMOUNTS

1945-1976

YEARS

JUNE
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.19	30	1976			
2	1.49	38	1949			
3	0.79	20	1972			
4	0.90	23	1958			
5	0.24	6	1958			
6	0.54	14	1953			
7	1.32	34	1949			
8	1.99	51	1960			
9	0.77	20	1974			
10	0.27	7	1945			
11	0.55	14	1961			
12	1.35	34	1974			
13	1.65	42	1971			
14	0.83	21	1946			
15	0.93	24	1950			
16	1.22	31	1971			
17	1.13	29	1945			
18	0.67	17	1946			
19	1.16	29	1953			
20	1.22	31	1971			
21	0.81	21	1960			
22	0.48	12	1960*			
23	0.60	15	1951			
24	0.90	23	1970			
25	0.29	7	1947			
26	1.38	35	1962			
27	0.87	22	1966			
28	1.12	28	1960			
29	1.54	39	1971			
30	1.41	36	1971			
31	1.00	25	1971			
Monthly	1.99	51	1960			

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.59	15	1958			
2	2.85	72	1959			
3	2.31	59	1963			
4	0.35	9	1946			
5	1.21	31	1957			
6	0.62	16	1972			
7	0.95	24	1963			
8	0.85	22	1951			
9	0.93	24	1951			
10	1.39	35	1945			
11	2.11	54	1955			
12	1.20	30	1968			
13	1.68	43	1960			
14	2.43	62	1960			
15	1.08	27	1948			
16	0.51	13	1948			
17	0.80	20	1949			
18	0.94	24	1976			
19	0.65	17	1948			
20	1.12	28	1958			
21	5.01	127	1972			
22	2.65	67	1951			
23	1.43	36	1974			
24	1.33	34	1964			
25	0.26	7	1957			
26	0.52	13	1975			
27	0.94	24	1973			
28	2.66	68	1953			
29	0.87	22	1949			
30	0.55	14	1951			
31						
Monthly	5.01	127	1972			

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

13773 STATION
QUANTICO, VIRGINIA STATION NAME

JULY
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	2.93	74	1973			
2	2.76	70	1968			
3	0.38	10	1965			
4	1.90	48	1956			
5	1.34	34	1945			
6	1.02	26	1961			
7	0.84	21	1976			
8	1.38	35	1952			
9	1.21	31	1970			
10	0.69	18	1959			
11	0.86	22	1975*			
12	1.96	50	1959			
13	3.67	93	1975			
14	1.29	33	1967			
15	1.96	50	1950			
16	0.80	20	1952			
17	0.86	22	1956			
18	2.40	61	1954			
19	0.67	17	1947			
20	1.51	38	1959			
21	0.38	10	1949			
22	1.26	32	1956			
23	1.43	36	1948			
24	2.20	56	1955			
25	0.51	13	1961			
26	1.23	31	1974			
27	0.58	15	1960			
28	2.24	57	1969			
29	1.72	44	1959			
30	0.84	21	1960			
31	1.30	33	1948			
Monthly	3.67	93	1975			

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DAILY EXTREME AMOUNTS

1945-1976

YEARS

AUGUST
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.85	47	1948			
2	1.84	47	1973			
3	1.38	35	1969			
4	2.14	54	1971			
5	1.38	35	1954			
6	1.80	46	1946			
7	0.79	20	1962			
8	1.82	46	1959			
9	0.52	13	1959			
10	0.38	10	1954			
11	2.00	51	1948			
12	4.39	112	1935			
13	1.56	40	1960			
14	1.11	28	1974			
15	0.88	22	1960			
16	0.93	24	1952			
17	0.69	18	1974			
18	1.93	49	1949			
19	2.89	73	1948			
20	1.61	41	1947			
21	2.52	64	1973			
22	1.21	31	1946			
23	1.44	37	1961			
24	4.70	119	1958			
25	3.52	89	1957			
26	1.16	29	1961			
27	4.37	111	1971			
28	0.68	17	1949			
29	0.92	23	1950			
30	0.71	18	1975			
31	1.82	46	1952			
Monthly	4.70	119	1958			

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

1945-1976

YEARS

SEPTEMBER
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.84	47	1959			
2	0.90	23	1951			
3	1.87	47	1974			
4	0.36	9	1962			
5	0.95	24	1953			
6	2.14	54	1974			
7	0.37	9	1948			
8	0.04	1	1969			
9	3.13	80	1950			
10	2.19	56	1968			
11	1.70	43	1960			
12	2.14	54	1960			
13	1.12	28	1964			
14	3.16	80	1966			
15	0.90	23	1963			
16	2.54	65	1976			
17	0.97	25	1945			
18	1.04	26	1973			
19	0.81	21	1960			
20	0.82	21	1946			
21	1.08	27	1966			
22	0.84	21	1952			
23	1.91	49	1975			
24	0.96	24	1975			
25	2.74	70	1975			
26	4.58	116	1975			
27	1.98	50	1956			
28	0.53	13	1959			
29	1.41	36	1964*			
30	1.66	42	1959			
31						
Monthly	4.58	116	1975			

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

DAILY EXTREME AMOUNTS

OCTOBER
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.90	23	1959			
2	1.29	33	1973			
3	0.68	17	1976			
4	0.61	15	1956			
5	1.40	36	1948			
6	2.74	70	1957			
7	1.79	45	1965			
8	1.23	31	1955			
9	0.89	23	1976			
10	1.87	47	1971			
11	0.30	8	1951			
12	0.66	17	1946			
13	0.91	23	1955			
14	1.26	32	1955			
15	1.47	37	1970			
16	0.93	24	1964			
17	0.98	25	1975			
18	0.61	15	1966			
19	2.00	51	1966	T	T	1972*
20	3.03	77	1976			
21	1.57	40	1961			
22	1.35	34	1958			
23	1.10	28	1971			
24	1.07	27	1957			
25	0.81	21	1971			
26	0.46	12	1946			
27	0.18	5	1956			
28	1.53	39	1972			
29	3.44	87	1953			
30	0.83	21	1954			
31	0.25	6	1949			
Monthly	3.44	87	1953	T	T	1972*

24 DAILY AMOUNTS MAR 1978

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

NOVEMBER
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.31	33	1956			
2	1.65	42	1951			
3	1.08	27	1962	T	T	1951
4	1.96	50	1970	T	T	1970
5	0.68	17	1962	T	T	1962
6	2.44	62	1963	16.7	424	1953
7	1.62	41	1951	0.1	3	1953
8	1.14	29	1972			
9	1.08	27	1962			
10	0.75	19	1968	T	T	1968
11	2.41	61	1970			
12	1.47	37	1968	T	T	1976*
13	0.40	10	1949	T	T	1975
14	1.60	41	1972	T	T	1969
15	0.54	14	1952	T	T	1976*
16	0.09	2	1956			
17	1.47	37	1956	T	T	1967
18	0.60	15	1962			
19	1.35	34	1972	0.4	10	1961
20	2.08	53	1952	1.6	41	1961
21	1.04	26	1952	T	T	1967
22	0.64	16	1945	0.2	5	1972
23	0.92	23	1963	T	T	1954*
24	1.44	37	1971	T	T	1971*
25	0.80	20	1950	2.0	76	1950
26	0.50	13	1951	T	T	1956*
27	0.27	7	1948	T	T	1953
28	0.82	21	1948	1.5	38	1950
29	1.34	34	1963	T	T	1976*
30	0.72	18	1972	6.0	152	1967
31						
Monthly	2.44	62	1963	16.7	424	1953

DAILY EXTREME AMOUNTS

1942-1976

YEARS

DECEMBER
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	2.40	61	1974	T	T	1956*
2	0.17	4	1968	T	T	1955*
3	1.42	36	1948	T	T	1969*
4	1.79	45	1950	6.8	173	1957
5	1.15	29	1973	T	T	1954*
6	0.91	23	1962	T	T	1962
7	1.29	33	1971	T	T	1975*
8	1.20	30	1972	T	T	1976*
9	1.15	29	1973	0.6	15	1961
10	1.59	40	1969	4.0	102	1950
11	0.42	11	1960	4.2	107	1960
12	1.22	31	1959	2.2	56	1960
13	1.23	31	1954	4.2	107	1966
14	0.88	22	1951	4.6	117	1951
15	1.02	26	1948	T	T	1973*
16	1.45	37	1974	3.3	84	1973
17	0.50	13	1973	3.5	89	1973
18	0.94	24	1951	5.1	130	1951
19	0.23	6	1945	3.5	89	1945
20	1.72	44	1957	1.7	43	1966
21	1.61	41	1973	4.9	124	1962
22	1.42	36	1969	0.3	8	1969*
23	0.87	22	1963	8.7	221	1963
24	0.87	22	1966	8.7	221	1966
25	1.42	36	1945	6.9	175	1962
26	1.17	30	1957	2.2	56	1947
27	1.12	28	1964	T	T	1968*
28	0.49	12	1967	1.9	48	1966
29	1.76	45	1958	1.8	46	1962
30	1.00	25	1969	T	T	1959
31	1.55	39	1975	3.3	84	1970
Monthly	2.40	61	1974	8.7	221	1966*

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through 1963, and in tens of degrees starting in January 1964. When 90% or more of the daily observations of peak gust wind data are available for a month, the extreme is selected and printed. These values are then used to compute means and standard deviations for the entire period. Every month of a year must have valid observations present before the ALL MONTHS value is selected for that year. Means and standard deviations are computed when four or more values are present for any column. A supplementary list of Peak Gusts by year-month with < 90% observations reported is also provided.

NOTE: According to Circular N specifications, "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

2. Bivariate percentage frequency tabulations: Derived from 3-hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both direction and speed, and in addition the mean wind speed for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VARBL.

- a. Three tables are prepared for all surface winds included, and for all years combined as follows:
 - (1) Annual - all hours combined
 - (2) By month - all hours combined
 - (3) By month - by standard 3-hour groups
- b. A separate annual table is also presented for surface winds meeting the following ceiling and visibility conditions: INSTRUMENT CLASS: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

EXTREME VALUES

SURFACE WINDS
(FROM DAILY OBSERVATIONS)

13773 QUANTICO, VIRGINIA
STATION NAME

45-76

YEARS

DAILY PEAK GUSTS IN KNOTS

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
45	32NW	47SSW	40NW	38SE	W	44SW	36	NNW	39ENE	32NW	29NW	34NW	29
46	48NW	38W	36NNW	38	41S	70NW	43W	37NW	30NNW	36NNW	32NNW	45	S 70
47	55W	48NW	38W	36NNW	38	55W	48NE	31NNW	31E	32NW	41NW	34	W 49
48	NW	39W	45SSW	44NW	42NW	40NNW	41W	49NE	34W	37NW	32W	44NW	48
49	4W	45S	42NW	50SW	45	49SE	36NW	37SE	66NE	39S	80NW	37	S 80
50	SW	43	38NW	42W	38NNW	32	30W	40NNW	33	ESE	44SE	51	
51		NW	41NW	42W	36	44NW	32W	63NW	37NW	30NNW	25W	36NNW	36
52	NW	40W	38SW	44SW	41N	45SW	43S	40SW	39ESE	48NNW	47E	52NW	39
53	W	42NW	42S	43SW	37W	31	E	46SE	37NNW	38NNW	34W	32SSW	46
54	NW	35NW	36S	44	42NW	35SW	29W	32NNE	36NE	26SSW	34NNW	38	N 35
55	NW	46NW	30W	44NW	42NW	28S	38W	36NNE	22W	24NNW	33S	34S	36
56	NE	33NW	39NW	29SE	38NW	55SW	41W	35NW	37NNW	31NNW	34NW	36NNE	29
57	W	33NW	29W	33W	33SW	27NW	27S	30NNW	26W	24SW	19NW	27NNW	26
58	NNW	25NW	35NW	34W	26NW	32SSW	21NNW	17SSW	30N	33NW	32NNW	34NNW	40
59	NNW	53NW	43NW	35SE	33NW	33NW	27W	28NW	24NE	27NNW	28NW	41NNW	32
60	NE	32NW	33NE	36W	30NNW	33NW	25W	40NW	27NNW	31W	33S	42NW	36
61	NNW	34N	31SW	31NW	40NNW	36NW	32NW	25NNW	33NNW	26NW	36NW	36NW	30
62	SW	38NW	41SW	50SW	32W	28NW	27NW	28NW	28NW	28NW	28NNW	32NNW	35
63	NW	40SW	43W	33W	33NW	27NE	46NNW	32NW	42S	28W	36W	36NW	37
64	NW	39NW	30NW	37NW	29N	33W	42NNE	34NW	28NNW	25N	39NW	34SSW	28
65	NNW	39NW	40W	44W	36NW	36N	26NW	41W	28W	32NW	31NW	35NW	32
66	E	37NW	40W	47SW	36E	27S	44W	28W	32				48
67	N	31NW	37W	32NW	32SW	27S	40W	41NW	39	N	24NW	35NW	35
68	NW	36N	35W	40SW	38NW	29NW	29NNW	33SW	24NNW	32NNW	26NNW	27NW	32
69	NW	4119	2730	3732	3404	2827	4131	3621	3416	2404	2430	4233	50
70	35	3727	4319	3527	3409	3329	3830	3016	2030	2927	2927	3425	32
71	27	3229	4018	4225	3031	3016	2506	3718	2916	2535	2730	3501	32
72	34	2822	3423	3531	3234	4131	2935	2333	2732	2933	2832	3008	37
MEAN													
S. D.													
TOTAL OBS.													

NAVWEASERVCOM

5723 Extreme Values Jan 1969

SURFACE WINDS
(FROM DAILY OBSERVATIONS)

STATION	STATION NAME
13773	QUANTICO, VIRGINIA

43-76

YEARS

DAILY PEAK GUSTS IN KNOTS

[illegible]

NAVWEASERVCOM

5723 Extreme Values Jan 1969

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13773

QUANTICO, VIRGINIA

73-76

JAN

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

01

CLASS

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	2.4	1.6									5.6	5.3
NNE	1.6		.8									2.4	3.7
NE		.8										.8	4.0
ENE		.8										.8	4.0
E		1.6										1.6	5.5
ESE													
SE		1.6										1.6	5.5
SSE		1.6	.8									2.4	5.3
S	2.4	4.8	1.6	.8								9.7	5.7
SSW	1.6	2.4	.8									4.8	5.5
SW	.8	.8										1.6	4.0
WSW	.8	.8										1.6	3.0
W	7.3	1.6	.8									9.7	3.2
WNW	4.0	3.2	3.2									10.5	5.1
NW	8.1	4.0	2.4	.8								15.3	4.4
NNW	1.6	4.8	2.4	1.6	.8							11.3	7.0
VARBL													
CALM												20.2	
	29.8	31.2	14.2	3.2	.8							100.0	4.0

TOTAL NUMBER OF OBSERVATIONS

124

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13773
STATION

QUANTICO, VIRGINIA

73-76

YEARS

JAN

MONTH

ALL WEATHER

CLASS

04

HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.8	3.2	2.4									6.5	6.4
NNE	1.6		0.8									2.4	4.3
NE		0.8										0.8	5.0
ENE		0.8										0.8	4.0
E	0.8	0.8										1.6	3.5
ESE													
SE		0.8	0.8									1.6	5.5
SSE			0.8									0.8	8.0
S	3.2	2.4	2.4									8.1	4.9
SSW		1.6										1.6	5.0
SW													
WSW		0.8	0.8									1.6	5.5
W	4.0	5.6	3.2									12.9	5.0
WNW	3.2	5.6	0.8	0.8								10.5	5.2
NW	5.6	7.2	0.8	1.6								15.3	5.0
NNW	4.8	2.4	0.8	0.8								8.9	4.5
VARBL													
CALM												26.6	
	24.2	32.3	13.7	3.2								100.0	3.7

TOTAL NUMBER OF OBSERVATIONS

124

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-77
YEARS

JAN
MONTH

ALL WEATHER
CLASS

07
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.8	3.5	1.4									7.6	4.4
NNE	1.4											1.4	2.0
NE		.7										.7	4.0
ENE		.7										.7	4.0
E	.7	1.4										2.1	4.7
ESE	.7	.7										1.4	4.0
SE		.7										.7	5.0
SSE													
S	2.1	2.8	1.4									6.2	4.9
SSW	.7	2.1										2.8	3.8
SW	.7		.7									1.4	4.5
WSW		2.1	.7									2.8	5.5
W	2.8	9.0		.7								12.3	4.6
WNW	2.8	6.2	.7	.7								10.4	4.5
NW	7.6	3.5	2.8									13.9	4.2
NNW	4.2	2.8	3.5									10.4	5.3
VARBL													
CALM												25.0	
	26.4	36.1	11.1	1.4								100.0	3.4

TOTAL NUMBER OF OBSERVATIONS

144

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13773

QUANTICO, VIRGINIA

73-77

JAN

STATION NAME

YEAR

MONTH

ALL WEATHER

CLASS

10

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		2.8	1.4	.7								4.9	6.7
NNE	.7	1.4	.7									2.8	4.3
NE	.7	2.1	.7									3.5	4.8
ENE	.7											.7	2.0
E	1.4	.7										2.1	2.3
ESE	1.4	2.1										3.5	3.8
SE	.7	4.2										4.9	4.6
SSE	2.8	.7	2.1									5.6	4.4
S	4.9	4.9	4.2									13.9	5.2
SSW	1.4	4.9										6.2	4.2
SW	.7		.7									.7	8.0
WSW	.7		.7	.7								2.1	8.3
W	2.1	2.1	4.2	1.4								9.7	6.9
WNW	2.1	.7										2.8	2.8
NW	2.1	2.1	2.1	.7								6.9	5.8
NNW	2.8	2.6	3.5	1.4								10.4	6.4
VARBL												19.4	
CALM												100.0	4.3
	24.3	31.2	20.1	4.9									

TOTAL NUMBER OF OBSERVATIONS

144

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-77
YEARS

JAN
MONTH

ALL WEATHER
CLASS

13
HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		2.1	1.4	1.4								4.9	8.6
NNE	2.8	1.4										4.2	3.3
NE		1.4	.7									2.1	3.3
ENE	2.1	1.4	1.4									4.9	4.1
E		1.4		.7								2.1	7.3
ESE		.7										.7	6.0
SE	1.4	2.1	2.1									5.6	5.4
SSE	2.8	5.6	.7									9.1	4.0
S	7.0	6.3	3.5									16.8	4.4
SSW		1.4	1.4	.7								3.5	7.0
SW		2.1	.7	.7								2.8	5.8
WSW		1.4	.7									7.7	7.3
W		2.8	4.9									12.6	8.2
WNW		4.9	4.9	2.1		.7						4.9	6.7
NW	1.4	1.4	.7	1.4								5.6	7.4
NNW		2.1	2.8	.7									
VARBL												9.8	
CALM												100.0	5.4
	17.5	38.5	25.9	7.7		.7							

TOTAL NUMBER OF OBSERVATIONS

143

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION
13773

STATION NAME
QUANTICO, VIRGINIA

YEARS
73-77

MONTH
JAN

CLASS
ALL WEATHER

HOURS (L.S.T.)
16

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	4.9	2.1	.7								8.3	5.8
NNE	.7	2.6										3.5	4.2
NE	2.1	2.1	.7									4.9	4.7
ENE	1.4	1.4										2.8	3.5
E		1.4	1.4									2.8	6.3
ESE	2.8											2.8	2.3
SE	2.1	1.4	.7									4.2	4.3
SSE	1.4	3.5	2.8									7.6	5.4
S	3.5	4.2	2.1									9.7	4.4
SSW	1.4	2.8	2.1									6.2	5.7
SW	1.4	.7	4.2									6.2	7.1
WSW		.7	1.4									2.1	6.7
W		2.8	2.8									5.6	5.8
WNW	.7	4.2	1.4	2.1								8.3	7.3
NW	1.4	1.4	2.1	.7								5.6	7.3
NNW	.7		4.2	1.4								6.2	8.2
VARBL												13.2	
CALM													
	20.1	34.0	27.8	4.9								100.0	5.0

TOTAL NUMBER OF OBSERVATIONS

144

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13773

QUANTICO, VIRGINIA

73-77

JAN

STATION NAME

YEARS

MONTH

ALL WEATHER

19

CLASS

NOVEMBER (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.6	3.2	1.6									6.3	5.0
NNE		2.4										2.4	5.7
NE		3.2										3.2	4.5
ENE													
E	.8	2.4	.8									4.0	5.6
ESE	2.4	1.6										4.0	3.8
SE	.8	3.2										4.0	5.4
SSE	1.6	1.6	1.6									3.2	7.3
S	3.2	1.6	.8									4.8	3.0
SSW	1.6	3.2	.8									5.6	4.7
SW	.8		.8									1.6	4.5
WSW	.8	2.4	1.6									4.8	5.5
W	4.0	1.6		.8								5.6	3.8
WNW	.8	2.4		1.6								4.8	7.3
NW	2.4	.8	.8	.8								4.8	6.0
NNW	2.4	4.0	3.2									10.3	5.3
VARBL													
CALM												30.2	
	21.4	34.1	11.1	3.2								100.0	3.6

TOTAL NUMBER OF OBSERVATIONS

126

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

STATION 13773 QUANTICO, VIRGINIA STATION NAME
YEAR 73-76 MONTH JAN
HOURS (L.S.T.) 22 CLASS ALL WEATHER
CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.2	0.0	0.0	0.0								4.0	6.7
NNE	2.4	0.0										3.2	3.3
NE	0.0	0.0										0.0	6.0
ENE	0.0	0.0										1.6	4.0
E	0.0	0.0	0.0									2.4	4.3
ESE	0.0	0.0	0.0									2.4	5.0
SE	1.6	1.6	2.4									1.6	5.0
SSE	1.6	2.4	2.4									6.5	5.0
S	3.2	4.0	4.0									7.3	6.3
SSW	1.6	2.4										4.0	4.0
SW	0.0	0.0	0.0									2.4	4.3
WSW	1.6	0.0	0.0									2.4	4.7
W	2.4	3.2	0.0									0.5	4.1
WNW	5.6	2.4	2.4	0.0								11.3	5.0
NW	5.6	4.0	1.6	1.6								12.9	5.1
NNW	3.2	3.2	1.6	0.0								8.9	5.0
VARBL													
CALM												21.0	
	27.4	30.0	16.9	4.0								100.0	3.9

TOTAL NUMBER OF OBSERVATIONS 124

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13773
STATION

QUANTICO, VIRGINIA

73-77

YEARS

JAN

MONTH

ALL WEATHER

CLASS

ALL

MOUSE (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	3.2	1.0	.5								6.2	6.0
NNE	1.4	1.1	.3									2.8	3.9
NE	.4	1.3	.3									2.1	4.8
ENE	.7	.7	.2									1.6	3.8
E	.6	1.3	.4	.1								2.3	5.1
ESE	1.0	.7	.1									1.9	3.8
SE	.7	2.0	.5									3.1	5.0
SSE	1.1	2.0	1.4									4.5	5.0
S	3.4	3.8	2.4	.1								9.7	4.9
SSW	1.0	2.0	.7	.1								4.4	5.0
SW	.6	.6	1.0									2.1	5.8
WSW	.5	1.0	.8	.2								2.5	6.1
W	2.7	3.0	2.1	.4								8.9	5.1
WNW	2.3	3.7	1.7	1.0		.1						8.9	5.9
NW	4.2	3.0	1.7	.9								9.8	5.2
NNW	2.4	2.8	2.8	.8	.1							8.9	6.0
VARBL													
CALM												20.4	
	23.8	33.6	17.9	4.1	.1	.1						100.0	4.2

TOTAL NUMBER OF OBSERVATIONS

1073

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-76
YEARS

FEB
MONTH

ALL WEATHER
CLASS

01
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		3.3	1.8	.9								6.2	6.9
NNE		1.8	.9									2.7	6.7
NE		.9	.9									1.8	7.5
ENE	.9	1.8										2.7	4.3
E		.9	.9									1.8	5.5
ESE	.9											.9	3.0
SE		.9										.9	4.0
SSE		1.8										1.8	6.0
S	3.3	2.7	2.7									8.8	5.1
SSW	1.8	1.8	2.7	.9								7.1	6.3
SW	1.8											1.8	2.0
WSW													
W	5.2	2.7	.9		.9							10.6	4.8
WNW	7.1	1.8		.9								9.7	3.5
NW	2.7	2.7	5.3	.9	.9							12.4	7.5
NNW	.9	3.3	2.7	.9								8.0	6.3
VARBL													
CALM												23.0	
	25.7	26.5	18.6	4.4	1.8							100.0	4.3

TOTAL NUMBER OF OBSERVATIONS

113

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13773

QUANTICO, VIRGINIA

73-76

FEB

STATION

STATION NAME

YEAR

MONTH

ALL WEATHER

CLASS

04

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIRE.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.8	6.2		.9								8.8	5.0
NNE		.9	.9									1.8	6.5
NE	.9	.9		.9								2.7	5.7
ENE	.9											.9	2.0
E		.9										.9	5.0
ESE			.9									.9	7.0
SE													
SSE	1.8											1.8	2.5
S	1.8	3.5	.9	.9								7.1	6.3
SSW	2.7	1.8	.9	.9								6.2	5.6
SW			1.8									1.8	8.0
WSW		.9										.9	4.0
W	4.4	3.5	.9									8.8	4.1
WNW	6.8	2.7	2.7	1.8								15.9	3.0
NW	3.5	6.2	3.5	2.7								15.9	6.4
NNW	.9	.9	1.8									3.5	6.0
VARBL													
CALM												22.1	
	27.4	28.3	14.2	8.0								100.0	4.2

TOTAL NUMBER OF OBSERVATIONS

113

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-77
YEARS

FEB
MONTH

ALL WEATHER
CLASS

07
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	2.0	2.6									6.9	5.9
NNE		.9	1.7	.9								3.4	9.5
NE		.9	.9									1.7	6.0
ENE	.9	1.7	.9									3.4	4.3
E	.9	.9										1.7	3.0
ESE			.9									.9	8.0
SE													
SSE	1.7											1.7	3.0
S	3.4	.9	.9									5.2	3.5
SSW	.9	4.3	3.4	.9								9.5	6.8
SW		.9										.9	4.0
WSW		.9	.9									1.7	5.5
W	2.6	2.6		.9								6.0	5.4
WNW	2.6	3.4	.9	1.7								8.6	5.8
NW	8.6	3.4	1.7	.9								14.7	4.3
NNW	1.7	6.9	2.6	.9								12.1	6.2
VARBL													
CALM												21.6	
	25.0	30.4	17.2	6.0								100.0	4.3

TOTAL NUMBER OF OBSERVATIONS

116

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-77
YEARS

FEB

NORTH

ALL WEATHER
CLASS

10

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.8	4.5	3.0	3.0		.8						12.1	8.6
NNE		3.0	.8									3.8	5.2
NE	.8	.8	1.5									3.0	5.5
ENE		1.5										1.5	5.0
E	5.3	1.5	.8									7.6	3.3
ESE	1.5	1.5										3.0	3.3
SE	.8	2.3										3.0	4.0
SSE	.8	3.0	1.5									6.1	5.6
S	3.0	4.5	3.0	.8								12.1	6.4
SSW	.8	1.5										2.3	3.3
SW	.8	1.5	3.0									6.1	7.4
WSW		1.5	.8									2.3	6.0
W		2.3	.8	1.5								4.5	8.2
WNW	1.5	.8	3.0	.8	.8							7.6	8.8
NW	.8	.8	6.1	1.5	.8							9.1	9.8
NNW	.8	2.3	1.5	3.8								8.3	9.0
VAEBL													
CALM												7.6	
	16.7	34.1	28.0	11.4	1.5	.8						100.0	6.4

TOTAL NUMBER OF OBSERVATIONS

132

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION
13773

QUANTICO, VIRGINIA

73-77

STATION NAME

ALL WEATHER
CLASS

YEARS

FEB

MONTH

13

HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.8	3.0	1.5								5.3	9.1
NNE		3.8										3.8	3.2
NE	.8	1.5	1.5									3.8	5.4
ENE		2.3	1.5									3.8	6.0
E	.8	2.3										3.0	4.0
ESE	1.5	1.5										3.0	3.5
SE	2.3	1.5	.8									4.5	4.7
SSE	.8	1.5	2.3									4.5	5.8
S	5.3	12.1	4.5	1.5								23.5	5.4
SSW	.8	2.3	1.5	1.5								6.1	8.4
SW		.8		.8								1.5	9.0
WSW			.8	.8								1.5	10.0
W	.8	3.0	2.3	.8	.8							7.6	8.2
WNW		3.0	3.0	1.5	.8							8.3	9.1
NW		2.3	2.3	3.0	.8							8.3	9.7
NNW	.8	3.0	3.8	.8								9.1	6.9
VARBL													
CALM												2.3	
	13.6	42.4	27.3	12.1	2.3							100.0	6.7

TOTAL NUMBER OF OBSERVATIONS

132

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-77
YEARS

FEB
MONTH

ALL WEATHER
CLASS

16
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	.8	6.2									8.5	7.3
NNE	.8	2.3										3.1	4.0
NE		1.5	2.3									3.8	7.0
ENE			1.5									1.5	9.0
E		.8										.8	6.0
ESE		3.1	.8									3.8	4.8
SE	.8	.8	.8									2.3	5.7
SSE	3.1	3.8	1.5									8.5	4.5
S	1.5	6.9	5.4									13.8	5.7
SSW		2.3	4.0	.8								7.7	8.2
SW		1.5	.8	1.5								3.8	8.8
WSW		1.5										1.5	5.0
W	2.3	2.3	1.5	.8	.8							7.7	7.3
WNW		2.3	4.0	2.3								9.2	8.6
NW	1.5	3.1	2.3	2.3	.8							10.0	8.2
NNW		.8	7.7	.8								9.2	8.8
VARL													
CALM												4.6	
	11.5	33.8	40.0	8.5	1.5							100.0	6.7

TOTAL NUMBER OF OBSERVATIONS

130

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13773
STATION

QUANTICO, VIRGINIA

STATION NAME

73-77

YEARS

FEB

MONTH

ALL WEATHER

CLASS

19

HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		2.0	1.7	.9								5.1	7.0
NNE		1.7										1.7	6.0
NE		.9										.9	6.0
ENE			1.7									1.7	8.5
E													
ESE	.9											.9	3.0
SE	.9	2.6	.9									4.3	5.4
SSE	3.4	1.7										5.1	2.8
S	4.3	6.0	5.1									15.4	5.3
SSW	2.6	.9	.9	.9								5.1	5.5
SW	1.7	1.7		.9								4.3	4.6
WSW	2.6											2.6	2.0
W	1.7		.9	.9								3.4	6.8
WNW	4.3	2.6	.9	1.7								9.4	5.2
NW	.9	.9	1.7	2.6								6.0	10.0
NNW	5.1	6.8	1.7	1.7								15.4	5.7
VARBL													
CALA												18.8	
	28.2	28.2	15.4	9.4								100.0	4.6

TOTAL NUMBER OF OBSERVATIONS

117

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13773

QUANTICO, VIRGINIA

73-76

FEB

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

22

HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	3.5	.9	.9								6.2	6.3
NNE			.9	.9								1.8	9.5
NE		1.8	1.8									3.5	6.8
ENE	.9	.9	.9									2.7	5.3
E		.9										.9	4.0
ESE	.9	.9										1.8	3.5
SE		.9										.9	5.0
SSE	.9	.9	1.8									3.5	6.3
S	1.8	4.4	2.7									8.8	5.5
SSW		4.4	3.5									8.0	6.6
SW			.9									.9	8.0
WSW		.9										.9	5.0
W	2.7	4.4		.9								8.0	4.8
WNW	1.8	3.5	1.8	1.8								8.8	7.1
NW	9.7	4.4	4.4	.9								19.5	5.3
NNW		1.8	1.8	.9								4.4	7.6
VARBL													
CALM												19.5	
	19.5	33.6	21.2	6.2								100.0	4.8

TOTAL NUMBER OF OBSERVATIONS

113

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13773

QUANTICO, VIRGINIA

73-77

FEB

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

ALL

CLASS

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	3.0	2.5	1.0		.1						7.5	7.1
NNE	.1	1.9	.6	.2								2.8	6.3
NE	.3	1.1	1.1	.1								2.7	6.2
ENE	.4	1.0	.8									2.3	5.6
E	.9	1.0	.2									2.2	3.9
ESE	.7	.9	.3									2.0	4.2
SE	.6	1.1	.3									2.1	4.9
SSE	1.6	1.8	.9									4.2	4.8
S	3.1	5.3	3.3	.4								12.1	5.3
SSW	1.1	2.4	2.2	.7								6.4	6.7
SW	.5	.8	.9	.4								2.7	6.8
WSW	.3	.7	.3	.1								1.4	5.3
W	2.5	2.6	.9	.7	.3							7.0	6.0
WNW	3.1	2.5	2.3	1.6	.2							9.6	6.5
NW	3.2	2.9	3.4	1.9	.4							11.8	7.1
NNW	1.2	3.3	3.0	1.2								8.8	7.0
VARB												14.4	
CALM												100.0	5.3
	20.6	32.4	23.2	8.4	.9	.1							

TOTAL NUMBER OF OBSERVATIONS

966

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-76
YEARS

MAR
MONTH

ALL WEATHER
CLASS

01
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	3.3	1.6									3.7	5.4
NNE	2.5	1.6		.8								4.9	4.3
NE	1.6	.8	1.6									4.1	5.6
ENE		1.6	1.6									3.3	6.5
E	.8											.8	3.0
ESE	.8											.8	2.0
SE	1.6	2.5	.8									4.9	4.5
SSE	2.5	.8	.8									4.1	4.4
S	1.6	5.7	3.3									10.7	6.3
SSW		1.6	2.5	.8								4.9	7.3
SW	.8											.8	1.0
WSW			1.6	.8								2.5	9.7
W	1.6	1.6										3.3	4.0
WNW	3.3	3.3		.8								7.4	4.8
NW	2.5	5.7	2.5	1.6								12.3	6.0
NNW	2.5	2.5	4.1	.8								9.8	6.5
VARBL													
CALM												19.7	
	23.0	31.1	20.5	5.7								100.0	4.5

TOTAL NUMBER OF OBSERVATIONS

122

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION
13773

STATION NAME
QUANTICO, VIRGINIA

YEARS
73-76

MONTH
MAR

CLASS
ALL WEATHER

HOURS (L.S.T.)
04

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0	3.2	2.4									6.5	6.1
NNE			2.4									2.4	8.7
NE		4.0										4.0	5.4
ENE		3.2										3.2	4.8
E	0	1.6										2.4	4.3
ESE	1.6	1.6										3.2	3.8
SE	0	0										1.6	4.0
SSE		3.2										3.2	5.3
S	2.4	3.2	4.0									9.7	6.1
SSW		0	0									1.6	8.0
SW	1.6		3.2									4.8	6.3
WSW													
W	2.4	0	0									4.0	3.4
WNW	6.5	0	1.6	0								9.7	4.3
NW	4.8	1.6	3.2	0								10.5	5.6
NNW		9.7	4.0									13.7	6.0
VARBL												19.4	
CALM													
	21.8	34.7	22.6	1.6								100.0	4.4

TOTAL NUMBER OF OBSERVATIONS

124

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-77
YEARS

MAR
MONTH

ALL WEATHER
CLASS

07
HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	2.4										4.0	4.2
NNE	1.6	.8	2.2									5.6	6.9
NE		3.2	1.6	2.4								7.2	8.7
ENE		1.6	1.6									3.2	6.0
E		.8	.8									1.6	6.0
ESE	.8	1.6		.8								3.2	6.5
SE	2.4											2.4	2.3
SSE	.8	1.6	.8									3.2	4.3
S	1.6	4.8	2.4	1.6								15.2	5.7
SSW		3.2										3.2	5.3
SW	.8		.8									1.6	5.0
WSW	.8											.8	2.0
W	3.2		.8									4.0	4.0
WNW	4.0	2.4	.8	.8								8.0	4.4
NW	6.4	4.8	4.0	1.6								16.8	5.6
NNW	3.2	4.0	4.8									12.0	5.8
VARBL													
CALM												8.0	
	27.2	36.0	21.6	7.2								100.0	5.1

TOTAL NUMBER OF OBSERVATIONS

125

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-77
YEARS

MAR
MONTH

ALL WEATHER
CLASS

10
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	4.1	2.0	1.4								8.8	6.5
NNE		2.7	.7									3.4	6.0
NE		2.7	2.7									5.4	7.3
ENE	3.4	2.7	1.4									7.5	4.5
E	1.4	.7	.7									2.7	4.5
ESE		1.4	1.4									2.7	6.3
SE	1.4	1.4										2.7	4.0
SSE	1.4	5.8	2.0									10.2	4.9
S	2.7	4.1	5.4	.7								12.9	6.4
SSW		.7	1.4	1.4								3.4	9.8
SW													
WSW			1.4									1.4	8.0
W		1.4	.7									2.0	6.3
WNW		.7	4.8	4.8								10.2	10.1
NW		2.0	5.4	2.0	.7							10.2	9.9
NNW	1.4	2.7	2.7	2.7								9.5	7.5
VARBL													
CALM												6.8	
	12.9	34.0	32.7	12.9	.7							100.0	6.6

TOTAL NUMBER OF OBSERVATIONS

147

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13773
STATION

QUANTICO, VIRGINIA

STATION NAME

73-77

YEARS

MAR

MONTH

ALL WEATHER

CLASS

13

MOORE (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		2.0	2.0									4.1	6.7
NNE	1.4	.7	2.0									4.1	5.7
NE	2.7	3.4	1.4									7.5	4.5
ENE	1.4	2.7										4.1	4.3
E	1.4	2.7										4.1	4.0
ESE		.7	1.4									2.0	6.3
SE	5.4	4.1	2.7									12.2	4.2
SSE	2.0	.7	3.4									6.1	5.3
S	1.4	6.0	4.0	1.4								14.3	6.6
SSW		.7	.7	.7	.7							2.0	13.3
SW		.7	1.4	.7								2.7	9.0
WSW			2.0									2.0	9.3
W	.7	2.7	3.4	1.4								8.2	7.1
WNW		2.0	2.7	2.0								6.8	9.1
NW		1.4	1.4	2.7	.7							6.1	10.6
NNW		.7	3.4	4.8								8.8	10.7
VARBL													
CALM												4.8	
	16.3	31.3	32.7	13.6	1.4							100.0	6.6

TOTAL NUMBER OF OBSERVATIONS

147

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13773
STATION

QUANTICO, VIRGINIA

STATION NAME

73-77

YEARS

MAR

MONTH

ALL WEATHER

CLASS

16

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7		.7									1.4	5.0
NNE		1.4		.7								2.1	6.7
NE	1.4	2.1	3.5									7.0	6.3
ENE	.7	.7	1.4									2.8	6.0
E		2.1	.7									2.8	6.0
ESE	3.5	2.8	.7									7.0	3.5
SE	.7	3.5	2.8									7.0	6.2
SSE	1.4	4.9	1.4									7.7	4.8
S	4.9	4.9	5.6									15.3	5.4
SSW	.7	1.4	2.1	.7								4.9	7.7
SW		.7	2.8									3.5	7.8
WSW			2.1	.7								2.8	10.3
W	2.1	.7	3.5	.7								7.0	6.7
WNW		.7	2.1	2.8								5.6	10.6
NW		1.4	2.1	2.1								5.6	9.8
NNW		2.8	4.2	3.5								10.6	9.3
VARBL													
CALM												6.3	
	16.2	30.3	35.9	11.3								100.0	6.4

TOTAL NUMBER OF OBSERVATIONS

142

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

18773 QUANTICO, VIRGINIA
MAR
MONTH
19
HOURS (L.S.T.)

73-77
ALL WEATHER
CLASS

STATION NAME

YEAR

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.6	.8	1.0	.8								4.8	6.2
NNE		2.4										2.4	4.3
NE	1.6	.8	1.0									4.0	5.2
ENE		.8	.8									1.6	6.0
E	.8	2.4										3.2	4.8
ESE	2.4	2.4	3.2									7.9	5.4
SE	3.2	3.2	.8									7.1	3.8
SSE	.8	1.0	.8									3.2	5.0
S	6.3	4.8	3.2									14.3	4.7
SSW	.8	2.4										3.2	3.8
SW	.8	1.6	.8									3.2	5.3
WSW	.8	.8										1.6	3.0
W	2.4	.8	1.6	.8								5.6	6.0
WNW		1.6	.8									2.4	6.3
NW	1.6		4.0	.8								6.3	7.3
NNW	.8	1.6	3.2	1.6	.8							7.9	9.4
VARBL													
CALM												21.4	
	23.8	27.8	22.2	4.0	.8							100.0	4.4

TOTAL NUMBER OF OBSERVATIONS

126

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13773

QUANTICO, VIRGINIA

73-76

MAR

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

22

CLASS

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		2.4	2.4	1.6								6.3	8.3
NNE	.8	2.4										3.2	4.3
NE	2.4	4.0										6.3	4.0
ENE		.8	.8									1.6	8.0
E		1.6										1.6	3.0
ESE	3.2	.8										4.0	2.8
SE	3.2	2.4		.8								6.3	4.4
SSE	2.4	3.2	1.6									7.3	4.4
S	1.6	4.0	1.6	.8								8.9	3.8
SSW	1.6		.8									2.4	3.0
SW		1.6		.8								2.4	8.0
WSW	.8	1.6	.8									3.2	3.3
W	4.0			.8								4.8	4.0
WNW	2.4	4.0	2.4	1.6								10.3	6.2
NW	1.6	1.6	4.0									7.3	6.8
NNW	.8	4.0	1.6	.8								7.3	6.6
VARBL												16.1	
CALM												100.0	4.7
	25.0	35.5	16.1	7.3									

TOTAL NUMBER OF OBSERVATIONS

124

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13773

QUANTICO, VIRGINIA

73-77

MAR

STATION NAME

YEARS

MONTH

ALL WEATHER

ALL

CLASS

MOORE (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	2.3	1.6	.5								5.2	6.3
NNE	.8	1.5	1.0	.2								3.5	5.8
NE	1.2	2.6	1.6	.3								5.8	5.9
ENE	.8	1.0	.9									3.5	5.3
E	.7	1.3	.3									2.5	4.7
ESE	1.5	1.4	.9	.1								3.9	4.6
SE	2.4	2.3	.9	.1								3.7	4.4
SSE	1.4	2.7	1.4									3.8	4.8
S	2.8	5.3	3.9	.6								12.8	5.8
SSW	.4	1.2	1.0	.5	.1							3.2	7.5
SW	.5	.6	1.1	.2								2.4	6.8
WSW	.3	.3	1.0	.2								1.8	7.5
W	2.0	1.0	1.4	.5								4.9	5.6
WNW	1.9	1.7	2.0	1.8								7.6	7.1
NW	2.0	2.3	3.3	1.5	.2							9.3	7.4
NNW	1.0	3.4	3.3	1.9	.1							9.9	7.6
VARBL													
CALM												12.4	
	20.4	32.5	26.0	8.2	.4							100.0	5.4

TOTAL NUMBER OF OBSERVATIONS

1057

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 13773 QUANTICO, VIRGINIA STATION NAME 73-76 MONTH APR YEAR 01 HOURS (L.S.T.) 01

ALL WEATHER
CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.8	.8	2.5									4.2	6.2
NNE	.8	.8										1.7	4.5
NE	.8	1.7	.8									3.4	5.5
ENE		.8										.8	4.0
E			.8									.8	7.0
ESE													
SE		2.5	.8									3.4	5.8
SSE			.8									.8	10.0
S	2.5	5.9	2.5	.8								11.9	5.6
SSW	1.7	3.4										5.1	4.0
SW	.8	.8	2.5	.8								4.2	7.6
WSW	.8		.8	.8								2.5	8.0
W	.8	1.7										2.5	4.0
WNW	3.4	8.3	1.7									13.6	4.3
NW	6.8	7.6	3.4	.8								18.6	5.2
NNW	3.4	1.7	3.4	3.4								11.9	7.1
VARBL													
CALM												14.4	
	22.0	36.4	20.3	6.8								100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 118

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-76
YEARS

APR
MONTH

ALL WEATHER
CLASS

04
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	2.3	.8									4.2	5.2
NNE	.8		1.7									2.5	7.0
NE		.8	.8									1.7	6.0
ENE		1.7		.8								2.5	7.3
E													
ESE													
SE		.8										.8	4.0
SSE	.8		.8									1.7	5.0
S	2.3	1.7	3.4									7.6	5.7
SSW	1.7		1.7									3.4	4.8
SW	.8	.8	.8									2.5	5.3
WSW		.8		.8								1.7	10.0
W	5.0	1.7										6.7	3.3
WNW	9.2	5.0	1.7									16.0	3.8
NW	5.9	9.2	4.2									19.3	4.9
NNW		5.0	2.3	.8								8.4	7.3
VARB													
CALM												21.0	
	27.7	30.3	18.5	2.5								100.0	4.1

TOTAL NUMBER OF OBSERVATIONS

119

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-77

YEARS

APR
MONTH

ALL WEATHER
CLASS

07
HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNOTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	1.6	2.4									4.9	6.0
NNE	.8	.8										1.6	3.5
NE		1.6	1.6									3.3	6.8
ENE			.8									.8	7.0
E	.8	.8										1.6	3.5
ESE			.8									.8	7.0
SE	.8											.8	3.0
SSE	1.6	.8										2.4	3.3
S	2.4	3.7	2.4									10.6	5.1
SSW		1.6	1.6									3.3	7.3
SW	.8			.8								1.6	9.5
WSW	.8	1.6										2.4	4.0
W	1.6	2.4	.8									4.9	4.7
WNW	4.9	7.3	1.6									13.8	4.4
NW	8.1	10.6	1.6	2.4								22.8	5.2
NNW	1.6	4.9	4.1	.8	.8							12.2	7.4
VARBL													
CALM												12.2	
	25.2	39.8	17.9	4.1	.8							100.0	4.8

TOTAL NUMBER OF OBSERVATIONS

123

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13773

QUANTICO, VIRGINIA

73-77

YEARS

APR

STATION NAME

ALL WEATHER

CLASS

MONTH

10

HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.7	2.1	2.9	.7							6.4	11.8
NNE	.7	2.1	.7	.7								4.3	5.8
NE	.7	2.1	2.1									5.0	6.1
ENE	.7	3.0	.7									5.0	5.1
E	.7	.7	2.1									3.6	6.8
ESE	1.4		.7									2.1	4.0
SE	1.4	2.1	1.4									5.0	4.9
SSE	2.9	5.0										7.9	3.6
S	5.0	5.7	2.9									13.6	5.2
SSW		1.4	2.1	.7								4.3	7.8
SW		.7	1.4	.7								2.1	8.0
WSW		.7	1.4	.7								2.9	7.8
W		2.1	1.4	.7								4.3	7.5
WNW		3.6	3.6	1.4								8.6	7.7
NW			3.6	2.9		.7						12.1	10.8
NNW		.7	5.7	4.3								10.7	9.3
VARBL													
CALM												2.1	
	13.6	31.4	37.1	14.3	.7	.7						100.0	7.1

TOTAL NUMBER OF OBSERVATIONS

140

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-77
YEARS

APR
MONTH

ALL WEATHER
CLASS

13
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.4	2.9	1.4								6.5	7.8
NNE		.7										.7	4.0
NE	.7	1.4	.7									2.9	5.5
ENE		.7	2.2	.7								3.6	8.6
E		2.2	.7									2.9	6.3
ESE	2.2	2.2										4.3	4.2
SE		6.5	.7									7.2	5.3
SSE	1.4	5.8	.7									7.9	4.3
S	.7	7.2	4.3	2.2								14.4	6.7
SSW		2.9	2.2									2.2	8.7
SW			1.4									4.3	7.0
WSW			2.2	.7	.7							3.6	11.0
W		3.6	4.3	1.4	.7							10.1	9.0
WNW		5.0	2.9	.7								8.6	6.9
NW		2.2	5.0	3.6								10.8	10.3
NNW		.7	3.6	3.6		.7						8.6	11.7
VARBL												1.4	
CALM													
	5.8	42.4	33.8	14.4	1.4	.7						100.0	7.6

TOTAL NUMBER OF OBSERVATIONS

139

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13773

QUANTICO, VIRGINIA

73-77

APR

STATION NAME

YEARS

ALL WEATHER

MOON (L.S.T.)

CLASS

NORTH

16

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			5.3	.8	.8							6.8	10.1
NNE	.8											.8	3.0
NE	.8		1.5									2.3	6.3
ENE	.8	.8	1.5									3.0	5.3
E	.8	1.5	.8									3.0	4.5
ESE	.8	1.5	2.3	.8								5.3	7.9
SE	1.5	3.0	1.5									6.1	5.8
SSE	3.0	3.0	2.3									8.3	4.5
S	5.3	5.3	2.3	.8								13.6	4.9
SSW		.8	2.3	.8								3.8	9.4
SW		1.5	2.3									3.8	7.4
WSW		1.5		1.5								3.0	8.8
W		1.5	5.3	3.0								9.8	9.5
WNW	.8	2.3	2.3	3.0								8.3	8.1
NW	1.5	2.3	2.3	2.3	1.5							12.9	9.2
NNW	1.5	3.0	2.3		1.5							8.3	8.6
VARBL													
CALM												.8	
	17.4	28.0	37.1	12.9	3.8							100.0	7.4

TOTAL NUMBER OF OBSERVATIONS

132

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-77
YEAR

APR
MONTH

ALL WEATHER
CLASS

19
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.8	1.7	1.7	0.8								5.0	6.2
NNE	2.5	0.8										3.3	2.0
NE		0.8	1.7									2.5	7.0
ENE		0.8										0.8	6.0
E	1.7	0.8	0.8									3.3	4.0
ESE		1.7	1.7									3.3	6.0
SE		2.5	0.8									3.3	5.3
SSE	2.5	4.2										6.7	4.0
S	1.7	9.2	2.5									13.3	5.4
SSW	3.3	1.7	1.7									6.7	4.0
SW	1.7	0.8										6.7	4.0
WSW	2.5	1.7	1.7									2.5	3.0
W	2.5	1.7	0.8									4.2	5.6
WNW	3.3		1.7	1.7								5.0	3.7
NW	0.8	1.7	2.5	4.2	0.8							6.7	6.8
NNW		2.5	3.3	4.2	0.8							10.0	10.4
VARBL												10.8	10.2
CALM												12.5	
	23.3	30.8	20.8	10.8	1.7							100.0	5.4

TOTAL NUMBER OF OBSERVATIONS

120

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13773

QUANTICO, VIRGINIA

73-76

APR

STATION

STATION NAME

YEAR

MONTH

ALL WEATHER

CLASS

22

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			2.5	.8								3.4	10.0
NNE		.6	1.7									2.5	7.3
NE													
ENE	.8		1.7									2.5	6.3
E		1.7										1.7	4.0
ESE		1.7										1.7	5.0
SE	.8											1.7	6.0
SSE	.8	2.5	1.7									5.1	5.8
S	3.4	5.1	5.1									13.6	5.5
SSW	.8	5.1	.8									6.8	4.9
SW													
WSW	.8	4.2	.8									5.9	4.6
W	3.4	.8										4.2	2.2
WNW	7.6	5.9										13.6	3.3
NW	1.7	5.1	3.4	2.5								12.7	6.5
NNW	2.5	1.7	2.5	.8								7.6	6.2
VARBL													
CALM												16.9	
	22.9	34.7	21.2	4.2								100.0	4.4

TOTAL NUMBER OF OBSERVATIONS

118

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13773
STATION

QUANTICO, VIRGINIA

STATION NAME

73-77

YEARS

APR

MONTH

ALL WEATHER

CLASS

ALL

HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.1	2.6	.9	.2							5.3	8.2
NNE	.8	.9	.5	.1								2.2	5.0
NE	.4	1.1	1.2									2.7	6.1
ENE	.3	1.1	.9	.2								2.5	6.3
E	.5	1.0	.7									2.2	5.2
ESE	.6	.9	.7	.1								2.3	5.8
SE	.6	2.3	.8									3.7	5.3
SSE	1.7	2.8	.8									5.3	4.4
S	3.0	5.7	3.2	.5								12.4	5.3
SSW	.9	1.7	1.6	.2								4.4	6.0
SW	.4	1.0	1.1	.2								2.7	6.9
WSW	.6	1.1	.9	.6	.1							3.3	7.2
W	1.6	2.0	1.7	.7	.1							6.0	6.3
WNW	3.5	4.7	2.0	.9								11.0	5.3
NW	3.0	4.7	4.4	2.4	.3	.1						14.8	7.3
NNW	1.1	2.5	3.5	2.3	.4	.1						9.8	8.5
VARB													
CALM												9.7	
	19.3	34.3	26.4	9.0	1.1	.2						100.0	5.8

TOTAL NUMBER OF OBSERVATIONS

1009

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13773
STATION

QUANTICO, VIRGINIA

73-76

STATION NAME

YEARS

MAY

MONTH

ALL WEATHER

CLASS

01

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	1.9										3.7	3.5
NNE	.9	.9										1.9	4.0
NE		3.7										3.7	4.8
ENE			.9									.9	7.0
E	.9	.9										1.9	3.0
ESE	.9	.9										1.9	4.5
SE	1.9	1.9	.9									4.7	5.0
SSE	1.9	1.9	.9	.9								3.7	7.8
S	.9	6.5	4.7	1.9								14.0	7.0
SSW	1.9	1.9	1.9									5.6	4.7
SW	.9		.9									1.9	4.5
WSW	1.9											1.9	2.0
W	2.8	1.9	1.9									6.5	4.4
WNW	4.7	5.6	.9									11.2	4.1
NW	4.7	6.5	.9									12.1	3.9
NNW	2.8	3.7	.9	.9								8.4	5.4
VARBL													
CALM												15.9	
	27.1	38.3	15.0	3.7								100.0	4.2

TOTAL NUMBER OF OBSERVATIONS

107

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION
13773

QUANTICO, VIRGINIA

73-76

STATION NAME

YEARS

MAY

MONTH

ALL WEATHER

CLASS

04

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.8	1.6									2.3	7.0
NNE			.8									.8	10.0
NE		.8	.8	1.6								3.3	9.3
ENE			.8									.8	8.0
E	.8	1.6										2.3	3.7
ESE	1.6	.8										2.3	3.0
SE	.8	.8	.8									2.3	6.3
SSE		.8	2.5									3.3	7.0
S	2.5	5.7	3.3									11.5	5.1
SSW		2.5										2.3	5.0
SW		.8										.8	6.0
WSW	.8	1.6										2.3	4.0
W	6.6	2.5	.8									9.8	3.0
WNW	5.7	7.4	.8									13.9	3.7
NW	8.2	7.4	2.5									18.0	4.2
NNW		2.5	1.6									4.1	6.4
VARBL													
CALM												18.9	
	27.0	36.1	16.4	1.6								100.0	3.9

TOTAL NUMBER OF OBSERVATIONS

122

AD-A063 834

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE N C
SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE (SMOS), QUANTIC--ETC(U)
JUL 78

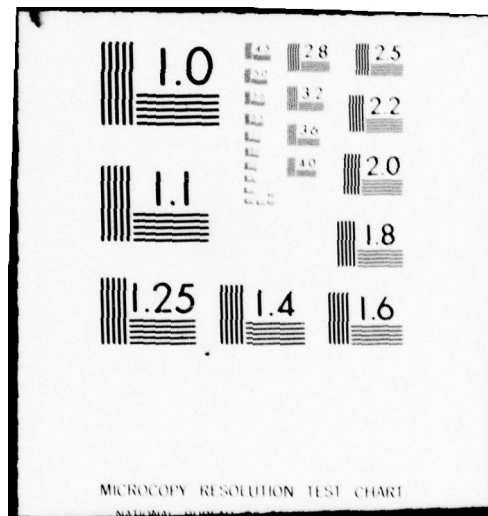
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NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-77
YEARS

MAY
MONTH

ALL WEATHER
CLASS

07
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.8	1.4	.7									4.9	3.9
NNE	.7	2.1	1.4									4.2	3.7
NE	1.4	2.1	.7									4.2	4.3
ENE	1.4	3.5										4.9	4.3
E	.7	2.8	.7									4.2	5.0
ESE	1.4											1.4	2.5
SE	.7	1.4	.7									2.8	4.5
SSE	1.4	.7	1.4									3.5	4.8
S	2.8	3.5	4.9									11.2	5.6
SSW	2.8	1.4	4.2									8.4	5.8
SW	.7											.7	2.0
WSW	1.4	.7	.7									2.8	4.3
W	1.4	2.1	1.4									4.9	5.0
WNW	2.1	7.0	.7	1.4								11.2	5.3
NW	6.3	3.5	2.1	.7								12.6	4.7
NNW	2.1	2.8	1.4									6.3	4.3
VARB													
CALM												11.9	
	30.1	35.0	21.0	2.1								100.0	4.3

TOTAL NUMBER OF OBSERVATIONS

143

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13773

QUANTICO, VIRGINIA

73-77

MAY

STATION NAME

YEAR

ALL WEATHER

MONTH

10

HOURS (L.S.T.)

CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		2.1	3.5	.7								6.2	8.1
NNE	.7	.7	1.4	.7								3.5	7.4
NE	1.4	.7	2.8									4.9	5.9
ENE	.7	4.2										4.9	4.7
E	2.8		1.4									4.2	4.2
ESE	.7	2.8										3.5	4.0
SE	2.1	4.9	.7									7.6	4.6
SSE	2.8	7.6	2.1									12.5	5.3
S	3.5	11.1	8.3	.7								23.6	5.7
SSW		2.1	1.4	.7								4.2	7.0
SW			1.4									1.4	7.5
WSW	.7	2.8				.7						.7	26.0
W												3.5	4.6
WNW			2.1	1.4								3.5	10.2
NW		2.1	5.6	.7	.7							9.0	9.3
NNW	1.4	2.1	.7									4.2	4.2
VARBL													
CALM												2.8	
	16.7	43.1	31.2	4.9	.7	.7						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS

144

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-77

YEARS

MAY
MONTH

ALL WEATHER
CLASS

13
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.7	2.1									3.5	6.6
NNE	.7	1.4	.7	.7								3.5	6.2
NE		3.5	1.4									4.9	6.0
ENE		3.5	1.4									4.9	6.1
E	1.4	2.1										3.5	3.8
ESE	.7	3.5	.7									4.9	5.3
SE	.7	5.6	2.1	.7								9.1	5.8
SSE	3.5	6.4	9.1	1.4								22.4	6.3
S	4.9	7.0	4.9									16.8	5.3
SSW			2.1									2.1	9.0
SW		1.4										1.4	5.5
WSW			.7									.7	10.0
W	1.4	2.1	.7									4.2	4.7
WNW		1.4	2.8		.7							4.9	8.9
NW		3.5	3.5	.7								7.7	7.3
NNW		1.4	2.1	1.4								4.9	9.1
VARBL													
CALM												.7	
	14.0	45.5	34.3	4.9	.7							100.0	6.2

TOTAL NUMBER OF OBSERVATIONS

143

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

13773

QUANTICO, VIRGINIA

73-77

MAY

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

16

CLASS

MOVES (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.8	2.4	2.4									5.6	5.4
NNE		.8	2.4									3.2	7.5
NE	1.6	5.6	.8									8.1	4.6
ENE	1.6	.8	.8									3.2	4.0
E	.8	.8	1.6	.8								4.0	7.0
ESE	.8	.8	2.4									4.0	6.0
SE	4.0	2.4		.8								7.3	4.4
SSE	2.4	3.1	4.0	.8								16.1	5.9
S	3.2	4.0	7.3									15.3	6.3
SSW		2.4	1.6	.8								4.8	8.0
SW		.8	.8									.8	6.0
WSW		.8										.8	5.0
W	3.2		2.4									5.6	5.3
WNW	1.6	1.6	3.2									6.3	6.3
NW	.8	3.2	1.6	1.6								7.3	7.9
NNW	.8		.8	.8								2.4	8.0
VARBL													
CALM												4.8	
	21.8	35.5	32.3	5.6								100.0	5.8

TOTAL NUMBER OF OBSERVATIONS

124

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13773

QUANTICO, VIRGINIA

73-77

MAY

STATION NAME

YEAR

ALL WEATHER

CLASS

MONTH

19

HOURS (L.S.T.)

CORRECTION

5702 SURFACE WINDS JAN 78

SPEED (KNOTS) DIRE.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.7	3.6	0.9									7.3	4.3
NNE		0.9										0.9	6.0
NE	1.8	1.8	0.9									4.5	4.8
ENE			0.9									0.9	8.0
E		2.7										2.7	4.3
ESE		5.5	3.6									9.1	6.0
SE	1.8	4.5	2.7									9.1	5.1
SSE		4.5	0.9									5.5	5.3
S	4.5	6.4	5.5									16.4	5.2
SSW		1.8										1.8	4.5
SW	0.9											0.9	2.0
WSW	3.6											3.6	1.8
W	1.8	1.8										3.6	3.8
WNW	2.7	2.7										5.5	3.7
NW	2.7	2.7		1.8								7.3	5.5
NNW	1.8	2.7	1.8									6.4	5.3
VARBL													
CALM												14.5	
	24.5	41.8	17.3	1.8								100.0	4.2

TOTAL NUMBER OF OBSERVATIONS

110

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13773

QUANTICO, VIRGINIA

73-76

MAY

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

22

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	1.9										3.7	3.8
NNE	.9		.9									1.9	3.0
NE		.9										.9	3.0
ENE		1.9	.9									2.8	6.0
E	1.9	1.9										3.7	4.0
ESE	.9	4.7										5.6	4.3
SE		2.8	1.9									4.7	6.4
SSE	.9	3.7	2.8	.9								8.4	7.1
S	.9	9.3	3.7									14.0	5.8
SSW	.9	2.8										3.7	3.3
SW			.9									.9	7.0
WSW	.9	.9										1.9	3.3
W	2.8	2.8										5.6	3.3
WNW	6.3	5.6	1.9									14.0	3.9
NW	5.6	1.9										7.3	2.9
NNW	.9	3.7	1.9									6.3	5.7
VARBL													
CALM												14.0	
	25.2	44.9	15.0	.9								100.0	4.1

TOTAL NUMBER OF OBSERVATIONS

107

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13773

QUANTICO, VIRGINIA

73-77

MAY

STATION NAME

YEARS

MONTH

ALL WEATHER

ALL

CLASS

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.0	1.5	.1								4.7	5.4
NNE	.5	.7	1.0	.2								2.6	6.4
NE	.8	2.4	1.0	.2								4.4	5.5
ENE	.5	1.9	.7									3.1	5.3
E	1.2	1.6	.5	.1								3.4	4.6
ESE	.9	2.3	.8									4.0	4.9
SE	1.5	3.1	1.2	.2								6.0	5.2
SSE	1.5	4.6	3.2	.5								9.8	6.1
S	3.0	6.8	5.4	.3								15.5	5.8
SSW	.7	1.8	1.5	.2								4.2	6.0
SW	.3	.4	.4									1.1	5.3
WSW	1.0	.5	.2			.1						1.8	4.9
W	2.5	2.0	.9									5.4	4.2
WNW	2.7	3.8	1.6	.4	.1							8.6	5.1
NW	3.4	3.6	2.2	.7	.1							10.2	5.6
NNW	1.2	2.3	1.4	.4								5.3	5.8
VARIABLE												9.9	
CALM												100.0	4.9
	23.0	40.0	23.5	3.3	.2	.1							

TOTAL NUMBER OF OBSERVATIONS

1000

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13773

STATION NAME
QUANTICO, VIRGINIA

73-75

STATION NAME

YEARS

JUN

MONTH

ALL WEATHER

CLASS

01

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.1										2.2	4.0
NNE													
NE	1.1	2.2	2.2									3.3	6.6
ENE	1.1											1.1	2.0
E		2.2										2.2	3.0
ESE													
SE													
SSE	1.1	2.2										3.3	4.7
S	4.4	2.2	2.2	2.2								11.1	5.9
SSW		6.7	2.2									8.9	5.6
SW	1.1	3.3	2.2									6.7	5.2
WSW	2.2	1.1		1.1								4.4	4.3
W	5.6	1.1										6.7	2.7
WNW	6.7	2.2										8.9	2.5
NW	4.4	6.7	1.1									12.2	4.2
NNW	2.2	1.1	1.1									4.4	4.3
VARBL													
CALM												22.2	
	31.1	32.2	11.1	3.3								100.0	3.5

TOTAL NUMBER OF OBSERVATIONS

90

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-76
YEARS

JUN
MONTH

ALL WEATHER
CLASS

04
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.8										.8	6.0
NNE			1.7									1.7	9.0
NE		.8	1.7									2.5	7.0
ENE		1.7	1.7									3.4	6.5
E		.8										.8	6.0
ESE													
SE			.8									.8	7.0
SSE		.8										.8	6.0
S	3.4	5.9		.8								10.1	4.8
SSW	.8	3.4	1.7									5.9	5.6
SW	1.7	.8	1.7									4.2	5.0
WSW	3.4											3.4	2.0
W	4.2	.8										5.0	2.7
WNW	7.6	5.0	.8									13.4	3.6
NW	10.1	10.1	.8									21.0	3.6
NNW	.8	5.0	.8									6.7	5.0
VARBL													
CALM												19.3	
	31.9	36.1	11.8	.8								100.0	3.6

TOTAL NUMBER OF OBSERVATIONS

119

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

13773

QUANTICO, VIRGINIA

73-77

JUN

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

07

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	2.1	1.4									4.9	5.0
NNE		.7	.7									1.4	7.0
NE			2.1									2.1	8.3
ENE		1.4	.7									2.1	6.0
E		.7										.7	4.0
ESE		1.4										1.4	4.5
SE	.7	.7										1.4	3.5
SSE	.7	2.1	1.4									4.2	5.3
S	4.2	8.5	5.5	1.4								17.6	5.3
SSW	2.8	2.8	.7									6.3	3.5
SW	.7	.7	.7									2.1	5.0
WSW	.7	.7	.7									2.1	4.0
W	2.1	1.4										3.5	3.8
WNW	4.2	1.4										5.6	3.0
NW	11.3	7.0	3.5									21.8	3.8
NNW	3.5	3.5	.7									7.7	4.1
VARBL													
CALM												14.8	
	32.4	35.2	16.2	1.4								100.0	3.8

TOTAL NUMBER OF OBSERVATIONS

142

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-77
YEARS

JUN
MONTH

ALL WEATHER
CLASS

10
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNOTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.7	3.5	.7								5.6	7.8
NNE	.7	2.1	2.1									4.9	6.3
NE		2.1	.7									2.8	6.0
ENE	.7	1.4	1.4									3.5	5.8
E	1.4	2.1	.7									4.2	6.3
ESE	2.8	.7										3.5	2.6
SE	2.8	3.5	.7									7.0	4.2
SSE	3.5	10.6	2.1									16.2	4.7
S	7.0	8.5	7.7	.7								23.9	5.4
SSW	.7	.7	2.1									3.5	5.8
SW	1.4		.7									2.1	4.7
WSW													
W		2.8										2.8	5.0
WNW	2.1	2.1	1.4									5.6	4.9
NW	2.1	2.8	1.4									6.3	4.7
NNW		1.4	3.5									4.9	8.4
VARBL													
CALM												2.8	
	26.1	41.5	28.2	1.4								100.0	5.2

TOTAL NUMBER OF OBSERVATIONS

142

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13773
STATION

QUANTICO, VIRGINIA

STATION NAME

73-77

YEARS

ALL WEATHER

CLASS

JUN

MONTH

13

MOUSE (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.1	2.1									4.9	5.9
NNE	.7	.7	2.8									4.2	6.8
NIE		.7	2.1	.7								3.5	8.6
ENE		2.8	.7									3.5	6.0
E	1.4	1.4	1.4									4.2	4.8
ESE	2.1	2.8										4.9	3.9
SE	3.5	5.6	2.1									11.3	4.8
SSE	3.5	9.9	4.2									17.6	5.0
S	2.1	12.0	9.2									23.2	6.3
SSW	.7	.7	1.4									2.8	5.5
SW		2.1	.7									2.8	6.0
WSW		.7	1.4									2.1	8.3
W		1.4	1.4									2.8	6.3
WNW	2.8	.7	1.4									4.9	4.3
NW	.7	1.4	1.4	.7								2.8	9.0
NNW	.7	1.4	2.1									4.2	6.8
VARBL													
CALM												.0	
	19.0	45.1	34.5	1.4								100.0	5.8

TOTAL NUMBER OF OBSERVATIONS

142

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION
13773

QUANTICO, VIRGINIA
STATION NAME

73-77

YEARS

JUN

MONTH

ALL WEATHER

CLASS

16

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	2.4	2.4									5.7	6.0
NNE		1.6	.8									2.4	6.3
NE		1.6	2.4									4.1	7.6
ENE	.8	.8	.8									2.4	5.3
E		3.3	.8									4.1	5.8
ESE		2.4	1.6	.8								4.9	7.2
SE	3.3	4.9	2.4									10.6	4.5
SSE	1.6	5.7	.8	.8								9.8	6.6
S	6.5	15.4	8.1									30.1	5.4
SSW		3.3	.8									4.1	5.4
SW		1.6										1.6	6.0
WSW	1.6	3.3										4.9	3.5
W		.8	.8									1.6	6.5
WNW	2.4	1.6	.8									4.9	4.7
NW		4.1	1.6									5.7	5.6
NNW												3.3	
VARBL													
CALM	17.1	52.8	24.4	1.6	.8							100.0	5.4

TOTAL NUMBER OF OBSERVATIONS

123

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13773

QUANTICO, VIRGINIA

73-77

JUN

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

19

MOVES (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N			1.9									1.9	7.5
NNE	1.0											1.0	1.0
NE	1.0	1.0	1.0									2.9	4.7
ENE	1.0	1.0	3.8									5.8	6.7
E		1.9										1.9	5.5
ESE	1.9	5.8	2.9									10.6	5.5
SE	1.0	3.8	2.9									7.7	6.1
SSE	1.9	6.7	2.9									11.5	5.1
S	4.8	7.7	3.8									16.3	4.6
SSW	1.0	6.7										7.7	4.8
SW		1.0										1.0	4.0
WSW	2.9	1.9										4.8	2.8
W	1.9											1.9	2.0
WNW	5.8	1.9										7.7	3.0
NW	2.9											2.9	1.7
NNW	1.9	1.9	2.9	1.0								7.7	6.3
VARB												6.7	
CALM												100.0	4.5
	26.8	41.3	22.1	1.0									

TOTAL NUMBER OF OBSERVATIONS

104

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-76
YEARS

JUN
MONTH

ALL WEATHER
CLASS

22
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIRE.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		2.2										2.2	5.0
NNE	1.1											1.1	2.0
NE	1.1	1.1	2.2									4.3	6.3
ENE	1.1	1.1	1.1									3.3	6.3
E		1.1										1.1	6.0
ESE		2.2	1.1									3.3	7.0
SE		3.3										3.3	4.7
SSE		3.3	3.3	1.1								7.6	7.1
S		14.1	4.3	1.1								19.6	6.5
SSW	1.1	2.2	1.1									4.3	5.0
SW	3.3	3.3										6.5	3.5
WSW	4.3											4.3	2.0
W	2.2											2.2	1.5
WNW	5.4	5.4										10.9	3.2
NW		5.4										5.4	4.4
WNW		2.2										2.2	4.5
VARIABLE													
CALM												18.5	
	19.6	46.7	13.0	2.2								100.0	4.1

TOTAL NUMBER OF OBSERVATIONS

92

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13773

QUANTICO, VIRGINIA

73-77

JUN

STATION NAME

YEARS

MONTH

ALL WEATHER

ALL

CLASS

MOVES (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNOTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.3	1.6	.1								3.8	6.1
NNE	.4	.7	1.2									2.3	6.3
NE	.3	1.2	1.8	.1								3.4	7.0
ENE	.5	1.4	1.3									3.1	6.0
E	.4	1.7	.4									2.3	5.0
ESE	.9	1.3	.6	.1								3.6	5.1
SE	1.6	2.8	1.2									5.6	4.8
SSE	1.7	3.3	1.9	.2	.1							9.3	5.4
S	4.2	9.4	5.1	.7								19.3	5.6
SSW	.9	3.0	1.3									5.2	5.1
SW	.9	1.3	.7									3.1	4.9
WSW	1.3	.3	.3	.1								2.4	3.7
W	2.0	1.3	.2									3.7	3.5
WNW	4.1	2.3	.6									7.0	3.6
NW	4.4	4.1	1.3	.1								9.9	4.1
NNW	1.2	2.6	1.7	.1								5.6	5.7
VARBL													
CALM												10.1	
	25.7	41.3	21.1	1.6	.1							100.0	4.6

TOTAL NUMBER OF OBSERVATIONS

954

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-76
YEARS

JUL
MONTH

ALL WEATHER
CLASS

01
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			1.1									1.1	7.0
NNE													
NE													
ENE													
E		1.1	1.1									2.1	8.0
ESE		1.1										1.1	5.0
SE		1.1										1.1	5.0
SSE													
S		7.4	3.2									10.6	6.0
SSW	1.1	7.4	1.1									9.6	5.2
SW	1.1	2.1	1.1									4.3	4.5
WSW	4.3	2.1										6.4	3.3
W	4.3	1.1										5.3	2.8
WNW	4.3	4.3	1.1									9.6	3.9
NW	12.6	13.8										26.6	3.6
NNW	2.1	1.1										3.2	4.0
VARBL													
CALM												19.1	
	29.8	42.6	8.5									100.0	3.5

TOTAL NUMBER OF OBSERVATIONS

94

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION
13773

STATION NAME
QUANTICO, VIRGINIA

YEARS
73-76

JUL

ALL WEATHER
CLASS

04
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N												.8	4.0
NNE		.8											
NE													
ENE		1.7										1.7	4.0
E	1.7											1.7	2.0
ESE	1.7											1.7	2.0
SE		.8										.8	5.0
SSE		.8										.8	5.0
S	1.7	5.0	.8									7.4	4.7
SSW	1.7	5.0	.8									7.4	4.4
SW	2.5											2.5	2.7
WSW	1.7		.8									2.5	4.3
W	1.7											1.7	2.0
WNW	9.9	6.6	2.5									19.0	3.9
NW	5.8	9.1	2.5									17.4	4.2
NNW	2.5	5.0	.8									9.1	4.5
VARBL													
CALM												25.6	
	30.6	35.5	8.3									100.0	3.0

TOTAL NUMBER OF OBSERVATIONS

121

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13773

QUANTICO, VIRGINIA

STATION NAME

73-77

YEARS

JUL

MONTH

ALL WEATHER

CLASS

07

HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.1	.7									3.5	5.0
NNE													
NE			.7									.7	8.0
ENE	1.4											1.4	2.5
E	.7	.7	.7									1.4	5.5
ESE	.7	.7										1.4	3.0
SE		.7										.7	6.0
SSE		.7										.7	5.0
S	3.5	7.7	1.4									12.6	4.7
SSW	6.3	2.8	1.4									10.5	3.7
SW	.7	.7	.7									2.1	4.7
WSW	1.4	.7										2.1	2.7
W	2.8	1.4										4.2	2.8
WNW	4.2	5.6	.7									10.5	3.9
NW	11.2	9.8	3.5									24.5	4.4
NNW	4.2	5.6										9.8	3.6
VARBL													
CALM												14.0	
	37.1	39.2	9.8									100.0	3.5

TOTAL NUMBER OF OBSERVATIONS

143

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13773

QUANTICO, VIRGINIA

73-77

JUL

STATION NAME

YEARS

NORTH

ALL WEATHER
CLAS

10

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	2.6	2.1									6.3	5.4
NNE	.7	1.4	.7									2.8	6.0
NE	.7	1.4	1.4									3.5	6.0
ENE	.7	.7	.7									2.1	4.7
E	1.4	3.5										4.9	3.7
ESE	.7	1.4	.7									2.8	3.0
SE	5.6	3.5	1.4									10.5	4.0
SSE	7.0	10.5	1.4									18.9	4.1
S	4.9	8.4	3.5									16.8	4.8
SSW	.7	.7	1.4									2.1	7.0
SW	.7	.7										1.4	4.0
WSW	1.4	2.1										3.5	3.8
W		2.1	.7									2.8	3.0
WNW	1.4	.7	.7									2.8	4.8
NW		2.1	2.6									4.9	7.4
NNW	2.6	3.5	3.5									9.8	5.4
VARBL													
CALM												4.2	
	29.4	45.5	21.0									100.0	4.6

TOTAL NUMBER OF OBSERVATIONS

143

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-77
YEARS

JUL
MONTH

ALL WEATHER
CLASS

13
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.4	.7									2.8	5.3
NNE	.7	1.4										2.1	4.3
NE	.7	1.4	.7									2.8	5.3
ENE	.7	1.4	.7									2.8	4.3
E	1.4	1.4	.7									3.5	4.4
ESE	2.1	1.4										3.5	3.6
SE	2.1	9.2	.7									12.0	4.6
SSE	2.1	9.2	3.5									14.8	5.5
S	3.5	19.0	4.2									26.8	5.2
SSW	.7		2.8									3.5	7.0
SW													
WSW	.7	2.1	.7									3.5	5.0
W	.7	2.8	.7									4.2	5.0
WNW	1.4	2.8	2.1									6.3	5.4
NW		3.5	.7									4.2	5.0
NNW		2.8	2.8									5.6	6.8
VARBL													
CALA												1.4	
	17.6	59.9	21.1									100.0	5.1

TOTAL NUMBER OF OBSERVATIONS

142

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-77
YEARS

JUL
MONTH

ALL WEATHER
CLASS

16
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7											1.7	1.5
NNE		1.7	.8									2.5	5.7
NE	.8	.8										1.7	4.5
ENE	.8	2.5										3.3	4.0
E		2.5	.8									3.3	6.3
ESE		1.7		.8								2.5	7.3
SE	1.7	1.7										3.3	3.8
SSE	8.3	10.7	4.1									23.1	4.5
S	6.6	14.0	5.0									25.6	5.0
SSW	1.7	4.1										5.8	4.4
SW	.8	.8	.8									2.5	5.3
WSW													
W	1.7	3.3										5.0	4.3
WNW	4.1	.8	.8									5.8	3.9
NW	1.7	4.1	.8									6.6	4.4
NNW	.8	4.1	1.7									6.6	5.6
VARBL												.8	
CALM													
	30.6	52.9	14.9	.8								100.0	4.7

TOTAL NUMBER OF OBSERVATIONS

121

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13773

QUANTICO, VIRGINIA

73-77

YEARS

JUL

MONTH

ALL WEATHER

CLASS

19

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.0										1.0	5.0
NNE			1.0									1.0	8.0
NE	1.0	1.9		1.0								3.9	6.8
ENE	1.0	1.9										2.9	4.0
E	1.0	1.0										1.9	3.5
ESE	1.0	1.0	3.9									5.8	6.5
SE	2.9	6.8	1.0									10.7	4.6
SSE	1.0	2.9	1.0									4.9	5.8
S	4.9	3.9	6.8									15.5	5.6
SSW	4.9	4.9										9.7	3.4
SW	2.9	1.0										3.9	3.0
WSW	1.9											1.9	2.5
W	5.8	1.0	1.0									7.8	3.5
WNW	3.9	1.0	1.0									5.8	3.3
NW	1.0	1.9										2.9	3.3
NNW	1.0	1.9										2.9	3.0
VARBL													
CALM												17.5	
	34.0	32.0	15.5	1.0								100.0	3.7

TOTAL NUMBER OF OBSERVATIONS

103

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-76
YEARS

JUL
MONTH

ALL WEATHER
CLASS

22
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		2.0										2.0	4.0
NNE													
NE													
ENE	1.0	1.0										2.0	3.0
E	2.0	1.0										3.1	3.7
ESE		1.0										1.0	4.0
SE	1.0	2.0	1.0									4.1	4.5
SSE	1.0	3.1	3.1									7.1	5.7
S	1.0	5.1	4.1									10.2	5.9
SSW	1.0	6.1	1.0									8.2	4.5
SW	1.0	3.1										4.1	4.5
WSW	2.0		1.0									3.1	3.7
W	11.2	1.0										12.2	2.2
WNW	6.1	7.1	2.0									15.3	4.3
NW	8.2	1.0	1.0									10.2	2.9
NNW	2.0	1.0	1.0									4.1	4.0
VARBL													
CALM												13.3	
	37.8	34.7	14.3									100.0	3.5

TOTAL NUMBER OF OBSERVATIONS

98

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-77
YEARS

JUL
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	6	1.2	1.0									2.5	4.9
NNE	2	.7	.3									1.2	5.5
NE	4	.7	.4	.1								1.7	5.9
ENE	7	1.1	.2									2.1	3.9
E	9	1.3	.4									2.8	4.5
ESE	8	1.0	.3	.1								2.3	4.9
SE	1.8	3.3	.2									5.6	4.4
SSE	2.6	5.1	1.7									9.3	4.8
S	3.4	9.2	3.5									16.2	5.1
SSW	2.2	3.5	1.1									6.8	4.5
SW	1.1	.9	.3									2.4	4.1
WSW	1.6	.9	.3									2.8	3.7
W	3.1	1.7	.3									5.1	3.4
WNW	4.2	3.5	1.3									9.1	4.1
NW	4.8	5.6	1.6									11.9	4.2
NNW	2.0	3.4	1.3									6.7	4.8
VARBL													
CALM												11.3	
	30.5	43.5	14.5	.2								100.0	4.0

TOTAL NUMBER OF OBSERVATIONS

965

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

20

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-75
YEARS

AUG
MONTH

ALL WEATHER
CLASS

01
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.1										1.1	6.0
NNE		1.1		1.1								2.2	9.0
NE		1.1										1.1	6.0
ENE		2.2										2.2	6.0
E	1.1											1.1	3.0
ESE	1.1											1.1	2.0
SE		1.1	1.1									2.2	6.5
SSE	1.1											1.1	2.0
S	1.1	3.4										4.3	4.5
SSW	4.3	5.4										9.7	3.2
SW	1.1	4.3										5.4	4.4
WSW	1.1											1.1	1.0
W	6.5											6.5	2.2
WNW	6.5	9.7										16.1	3.5
NW	9.7	5.4										15.1	3.2
NNW	1.1	5.4										6.5	4.0
VARBL													
CALM												23.7	
	34.4	39.0	1.1	1.1								100.0	2.9

TOTAL NUMBER OF OBSERVATIONS

93

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-76
YEARS

AUG
MONTH

ALL WEATHER
CLASS

04
HOURS (L.S.T.)

CONDITION

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	.8	1.6									3.3	5.8
NNE		.8	.8									.8	6.0
NE	.8	1.6	.8									3.3	5.3
ENE		.8										.8	4.0
E		1.6										1.6	5.0
ESE												.8	1.0
SE	.8												
SSE													
S	.8	3.3	1.6									5.7	5.1
SSW	5.7	4.9										10.6	3.4
SW	.8	.8										1.6	4.5
WSW	.8											.8	3.0
W	1.6	1.6										3.3	3.0
WNW	7.3	8.1	.8									16.3	4.0
NW	10.6	8.1	.8									19.5	3.6
NNW	3.3	2.4		.8								6.5	4.4
VARBL													
CALM												25.2	
	33.3	35.0	5.7	.8								100.0	3.0

TOTAL NUMBER OF OBSERVATIONS

123

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-77
YEARS

AUG
MONTH

ALL WEATHER
CLASS

07
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7											.7	3.0
NNE													
NE			2.1									2.1	8.3
ENE		1.4										1.4	6.0
E			.7									.7	7.0
ESE		.7										.7	4.0
SE	.7	.7										.7	3.0
SSE													
S	2.8	5.6	.7									9.0	4.0
SSW	2.8	3.5	.7									6.9	4.1
SW	1.4		.7									2.1	4.0
WSW	1.4	.7										2.1	3.3
W	3.5											3.5	2.4
WNW	4.9	7.6										12.5	4.2
NW	11.1	11.1		.7								22.9	4.1
NNW	4.2	8.3	2.8									15.3	4.7
VARBL													
CALM												18.7	
	33.3	39.6	7.6	.7								100.0	3.5

TOTAL NUMBER OF OBSERVATIONS

144

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-77

YEARS

AUG
MONTH

ALL WEATHER
CLASS

10
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIRE.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		3.6	2.0	.7								6.1	7.1
NNE	.7	3.6	3.6									7.5	6.6
NE		5.4	2.0									7.5	5.9
ENE		2.7										2.7	4.8
E	1.4	1.4	.7									3.4	4.6
ESE													
SE	4.1	6.6										10.9	3.8
SSE	4.8	6.6	.7									12.2	4.2
S	5.4	13.6	.7									19.7	4.2
SSW		1.4	.7									2.0	6.3
SW	.7	1.4	.7									2.7	4.5
WSW		.7										.7	4.0
W		1.4	.7									2.0	5.3
WNW	1.4	1.4										2.7	3.5
NW	.7	4.1										4.8	3.9
NNW	3.6	3.6	2.0	.7								11.6	4.9
VARBL													
CALM												3.4	
	22.4	59.2	13.6	1.4								100.0	4.6

TOTAL NUMBER OF OBSERVATIONS

147

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-77
YEARS

AUG
MONTH

ALL WEATHER
CLASS

13
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.4	3.4	.7								5.5	7.5
NNE	.7	.7	1.4									2.7	6.3
NE	.7	3.4	2.1									6.2	5.7
NNE	1.4	1.4	3.4									6.2	6.8
E	.7	2.1										2.7	4.5
ESE	1.4	2.7										4.1	3.7
SE	3.4	8.2	1.4									13.0	4.2
SSE	3.4	12.3	3.4									19.2	4.5
S	3.4	10.3	4.8									18.5	5.1
SSW		.7										.7	4.0
SW		.7	.7									1.4	8.0
WSW		.7										.7	6.0
W	.7	1.4		.7								2.7	5.8
WNW		2.7	.7									3.4	6.2
NW	.7	3.4	1.4	.7								6.2	6.1
NNW	.7	2.1	.7									3.4	5.4
VARBL													
CALM												3.4	
	17.1	54.1	23.3	2.1								100.0	5.1

TOTAL NUMBER OF OBSERVATIONS

146

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-77
YEARS

AUG
MONTH

ALL WEATHER
CLASS

16
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		3.2	2.4									5.6	6.1
NNE	.8		1.6									2.4	5.3
NE		2.4	.8	.8								4.0	7.0
NNE		4.0	2.4									6.5	6.4
E	3.2	3.2	.8									7.3	6.0
ESE													
SE	1.6	4.0										5.6	4.4
SSE	4.0	8.0	2.4									15.3	4.7
S	4.8	12.1	3.2									20.2	4.8
SSW	1.6	2.4										4.0	4.4
SW	1.6	.8										2.4	3.7
WSW	.8											.8	2.0
W	1.6	4.8										6.5	3.8
WNW	1.6	3.2										4.8	4.0
NW	.8	.8	4.0									5.6	6.9
NNW	1.6	1.6	2.4									5.6	5.4
VARIABLE													
CALM												3.2	
	24.2	51.0	20.2	.8								100.0	4.8

TOTAL NUMBER OF OBSERVATIONS

124

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-77
YEARS

AUG
MONTH

ALL WEATHER
CLASS

19
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9											.9	3.0
NNE			1.0									1.0	8.0
NE		.9		.9								1.0	8.5
ENE		3.7	1.0									5.5	6.2
E	1.0	1.0										3.7	4.0
ESE		3.7	1.0									5.5	5.8
SE	1.0	5.5										7.3	4.5
SSE	.9	2.0	2.0									6.4	5.9
S		1.0										1.0	5.0
SSW	.9	1.0	1.0									4.6	5.4
SW	2.0	1.0										4.6	3.4
WSW	2.0											2.8	2.0
W	5.5	.9										6.4	3.3
WNW	9.2	.9										10.1	2.3
NW		4.6	.9									5.5	5.2
NNW	.9	1.0	.9									3.7	5.5
VARBL													
CALM												27.5	
	27.5	32.1	11.9	.9								100.0	3.3

TOTAL NUMBER OF OBSERVATIONS

109

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-76
YEARS

AUG
MONTH

ALL WEATHER
CLASS

22
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0											1.0	1.0
NNE		1.0	1.0									2.1	5.5
NE		1.0	1.0									2.1	6.0
ENE		1.0										1.0	4.0
E													
ESE		1.0	1.0									2.1	6.5
SE	2.1											2.1	2.0
SSE		2.1										2.1	4.5
S	1.0	3.1	5.2									9.3	6.9
SSW	3.1	4.1										7.2	4.1
SW		4.1										4.1	4.5
WSW	1.0	2.1										3.1	3.7
W	2.1	2.1										4.1	3.3
WNW	7.2	3.1	1.0									11.3	3.2
NW	5.2	5.2	1.0									11.3	3.7
NNW	4.1	3.1	1.0									8.2	4.0
VARBL													
CALM												28.9	
	26.8	33.0	11.3									100.0	3.0

TOTAL NUMBER OF OBSERVATIONS

97

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-77
YEARS

AUG
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.3	1.3	.2								3.3	6.3
NNE	.3	.9	1.2	.1								2.5	6.6
NE	.2	2.1	1.2	.2								3.8	6.3
ENE	.2	2.1	1.0									3.4	6.1
E	1.0	1.3	.3									2.6	4.3
ESE	.3	1.0	.3									1.6	4.8
SE	1.9	3.6	.3									5.8	4.1
SSE	1.9	4.2	1.2									7.6	4.5
S	2.6	7.1	2.0									11.8	4.8
SSW	2.1	2.8	.4									5.4	4.1
SW	1.0	1.5	.3									2.3	4.4
WSW	.9	.2										1.4	3.1
W	2.4	1.3	.1	.1								4.2	3.5
WNW	4.4	4.2	.3									9.2	3.7
NW	4.7	5.4	1.0	.2								11.3	4.2
NNW	2.4	3.9	1.3	.2								7.8	4.7
VARBL													
CALM												15.5	
	27.0	44.2	12.4	1.0								100.0	3.9

TOTAL NUMBER OF OBSERVATIONS

983

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-75

YEARS

SEP
MONTH

ALL WEATHER
CLASS

01
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNOTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		3.3	1.1									4.4	6.3
NNE		2.2										2.2	5.0
NE		1.1										1.1	5.0
ENE		1.1										1.1	6.0
E	1.1	2.2										3.3	3.7
ESE													
SE	1.1											1.1	3.0
SSE		2.2										2.2	6.0
S	1.1	1.1										2.2	3.0
SSW	1.1	2.2	1.1									4.4	5.0
SW		1.1	1.1									2.2	6.0
WSW													
W	3.3											3.3	2.0
WNW	7.8	10.0										17.6	3.8
NW	4.4	10.0	2.2									16.7	4.3
NNW	4.4	4.4	4.4									13.3	4.8
VARBL													
CALM												24.4	
	24.4	41.1	10.0									100.0	3.3

TOTAL NUMBER OF OBSERVATIONS

90

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-75

YEARS

SEP
MONTH

ALL WEATHER
CLASS

04
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.1	1.1									3.3	6.0
NNE		1.1	1.1									2.2	6.0
NE		1.1	1.1									2.2	6.3
ENE		2.2										2.2	5.0
E	1.1	1.1										2.2	3.5
ESE	1.1											1.1	2.0
SE			1.1									1.1	10.0
SSE		1.1										1.1	4.0
S		2.2										2.2	4.5
SSW		3.3	2.2									5.6	6.6
SW		2.2										2.2	4.0
WSW	2.2											2.2	2.0
W	2.2	1.1	1.1									4.4	4.3
WNW	6.7	2.2	1.1									10.0	3.6
NW	12.2	3.9										21.1	3.2
NNW	1.1	1.1	2.2									14.4	4.9
VARBL													
CALM												22.2	
	27.8	38.8	11.1									100.0	3.4

TOTAL NUMBER OF OBSERVATIONS

90

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-77
YEARS

SEP
MONTH

ALL WEATHER
CLASS

07
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	1.4	.7									3.6	4.4
NNE		.7	2.2									2.9	7.3
NE	.7	1.4	1.4									3.6	5.8
ENE	1.4	.7	1.4									3.6	5.4
E		.7										.7	5.0
ESE													
SE		.7										.7	6.0
SSE		1.4										1.4	5.0
S	3.6	6.5	2.2	.7								12.9	4.8
SSW	2.2	1.4										3.6	2.8
SW	.7											.7	2.0
WSW													
W	2.9											2.9	2.3
WNW	5.0	2.9	.7									8.6	3.6
NW	16.5	12.2	1.4									30.2	3.7
NNW	4.3	5.8	2.9									12.9	4.8
VARBL													
CALM												11.5	
	38.8	35.0	12.9	.7								100.0	3.8

TOTAL NUMBER OF OBSERVATIONS

139

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-77
YEARS

SEP
MONTH

ALL WEATHER
CLASS

10
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		2.1	5.0									7.1	7.2
NNE	.7	2.1	2.9									5.7	6.0
NIE	2.1	5.0	2.1									9.3	5.0
ENE	2.1	4.3	.7									7.1	4.3
E	1.4	3.6	.7									5.7	4.8
ESE	2.1	.7										2.9	2.3
SE	2.1	2.9										5.0	4.3
SSE	5.0	5.7	.7	.7								12.1	4.3
S	7.1	5.7	5.0									17.9	4.8
SSW		1.4	.7									2.1	5.0
SW		.7	1.4	.7								2.9	7.5
WSW	.7											.7	2.0
W	2.1	.7										2.9	2.8
WNW	1.4	1.4	.7									3.6	4.8
NW	.7	.7	.7									2.1	5.7
NNW	1.4	2.1	5.0	.7								9.3	6.8
VARBL													
CALM												3.6	
	29.3	39.3	23.7	2.1								100.0	4.9

TOTAL NUMBER OF OBSERVATIONS

140

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-77
YEARS

SEP
MONTH

ALL WEATHER
CLASS

13
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		2.1	2.1									4.3	6.8
NNE	1.4	4.3	2.1									7.9	5.5
NE	1.4	2.1	1.4									5.0	4.9
NENE	1.4	1.4	1.4									4.3	4.5
E	2.9	3.0										6.4	3.7
ESE		.7										.7	4.0
SE	4.3	6.4	.7									11.4	4.1
SSE	4.3	9.3	2.9									16.4	4.4
S	.7	10.0	2.9									13.6	5.6
SSW	.7	.7	2.1									3.6	6.8
SW	.7		1.4									2.1	5.7
WSW		2.1	.7									2.9	6.5
W		.7										.7	4.0
WNW		2.9										2.9	5.5
NW	1.4	2.1	2.9									6.4	6.3
NNW	1.4	3.6	3.6	.7								9.3	6.8
VARBL													
CALM												2.1	
	20.7	52.1	24.3	.7								100.0	5.2

TOTAL NUMBER OF OBSERVATIONS

140

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-77

YEARS

SEP
MONTH

ALL WEATHER
CLASS

16
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		2.7	2.7									5.3	6.7
NNE	.9		3.2									4.4	7.4
NE	2.7	1.8	1.8									6.2	4.7
ENE	4.4	3.2	.9	.9								9.7	4.9
E	2.7	.9	.9									4.4	3.8
ESE	1.8	.9										2.7	4.0
SE	1.8	1.8										3.5	3.5
SSE	3.5	6.2										9.7	3.9
S	9.7	14.2		.9								24.8	4.2
SSW	1.8	2.7										4.4	3.6
SW		.9										.9	5.0
WSW	.9	.9										1.8	3.5
W	2.7	.9										3.5	2.8
WNW	1.8	.9	1.8									4.4	4.8
NW			.9									.9	7.0
NNW		2.7	3.2	.9								7.1	7.1
VARBL													
CALM												6.2	
	34.5	40.7	15.9	2.7								100.0	4.4

TOTAL NUMBER OF OBSERVATIONS

113

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-77
YEARS

SEP
MONTH

ALL WEATHER
CLASS

19
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.0	2.0									3.0	7.3
NNE			1.0									1.0	7.0
NE		1.0	1.0									2.0	7.0
ENE		2.0	1.0									3.0	5.7
E	2.0	4.0	1.0									7.1	4.7
ESE	1.0	1.0										2.0	3.5
SE	1.0	3.0	1.0									5.1	5.2
SSE		3.0	1.0									4.0	5.3
S	6.1	3.0										9.1	3.1
SSW	1.0	2.0										3.0	3.0
SW	1.0	1.0										2.0	3.0
WSW	2.0											2.0	1.5
W	5.1	1.0										6.1	2.2
WNW	10.1											10.1	2.5
NW	1.0	4.0		1.0								6.1	5.8
NNW	4.0	3.0	3.0									10.1	4.6
VARB													
CALM												24.2	
	34.3	29.3	11.1	1.0								100.0	3.2

TOTAL NUMBER OF OBSERVATIONS

99

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-75
YEARS

SEP
MONTH

ALL WEATHER
CLASS

22
DAYS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.1										1.1	6.0
NNE													
NE		1.1	1.1									2.2	8.0
ENE													
E	1.1	2.2										3.3	4.3
ESE	1.1	1.1										2.2	3.5
SE		2.2										2.2	5.0
SSE	1.1	1.1	1.1									3.3	5.3
S	1.1	1.1	1.1									3.3	4.7
SSW		3.3	2.2									5.6	6.6
SW			2.2									2.2	8.5
WSW		2.2										2.2	4.0
W		3.3	1.1									4.4	5.0
WNW	5.6	3.3	1.1									10.0	3.4
NW	18.9	7.8	2.2	1.1								30.0	3.8
NNW	1.1	6.7	1.1	1.1								10.0	5.8
VARBL													
CALM												17.8	
	30.0	35.7	13.3	2.2								100.0	3.8

TOTAL NUMBER OF OBSERVATIONS

90

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-77
YEARS

SEP
MONTH

ALL WEATHER
CLASS

ALL
DAYS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNOTS) DIRE.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.9	2.0									4.2	6.5
NNE	1.4	1.4	1.8									3.7	6.3
NE	1.0	2.0	1.3									4.3	5.4
ENE	1.3	2.0	.8	.1								4.2	4.8
E	1.6	2.3	.3									4.2	4.2
ESE	.9	.6										1.4	3.2
SE	1.4	2.3	.3									4.1	4.4
SSE	2.0	4.1	.8	.1								7.0	4.4
S	3.9	6.0	1.7	.2								11.8	4.6
SSW	.9	2.0	1.0									3.9	5.0
SW	.3	.7	.8	.1								1.9	5.7
WSW	.7	.7	.1									1.4	3.6
W	2.2	.9	.2									3.3	3.0
WNW	4.3	2.6	.7									7.8	3.7
NW	6.5	5.4	1.3	.2								13.5	4.1
NNW	2.2	4.7	3.3	.4								10.7	5.6
VARBL												12.5	
CALM												100.0	4.1
	30.1	39.7	16.4	1.2									

TOTAL NUMBER OF OBSERVATIONS

901

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-75
YEARS

OCT
MONTH

ALL WEATHER
CLASS

01
HOUSE (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		3.2										3.2	5.0
NNE		1.1										1.1	6.0
NE													
ENE													
E		2.2	1.1									3.2	5.7
ESE				1.1								1.1	12.0
SE		1.1	1.1									2.2	5.5
SSE		1.1										1.1	4.0
S		1.1	2.2									3.2	7.7
SSW	2.2											2.2	3.0
SW			2.2									2.2	7.0
WSW		2.2										2.2	6.0
W	1.1											1.1	1.0
WNW	4.3	5.4	2.2									11.8	4.1
NW	16.1	16.1										32.3	3.6
NNW	4.3	6.5	1.1	1.1								12.9	5.1
VARBL													
CALM												20.4	
	28.0	39.8	9.7	2.2								100.0	3.6

TOTAL NUMBER OF OBSERVATIONS

93

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-76
YEARS

OCT
MONTH

ALL WEATHER
CLASS

04
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		3.5	1.7									5.2	6.5
NNE		.9	.9									1.7	7.5
NE			1.7									1.7	8.0
NNE	1.7	1.7										3.5	3.8
E	1.7											1.7	2.5
ESE		.9										.9	6.0
SE		.9										.9	4.0
SSE			.9	.9								1.7	9.5
S	.9	1.7										2.6	3.3
SSW	.9											.9	1.0
SW		.9	.9									1.7	7.0
WSW		.9										.9	5.0
W	1.7	.9										2.6	3.7
WNW	7.8	8.7	.9									17.4	3.9
NW	12.2	18.3	2.9									33.0	4.1
NNW	3.5	2.6	3.5	.9								10.4	5.3
VABL													
CALM												13.0	
	30.4	41.7	13.0	1.7								100.0	4.0

TOTAL NUMBER OF OBSERVATIONS

115

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-77
YEARS

UCT
MONTH

ALL WEATHER
CLASS

07
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.5	3.0	.8								5.3	8.0
NNE		.8										.8	4.0
NIE		1.5	.8									2.3	6.7
ENE	.8	1.5		.8								3.0	5.5
E	.8	.8										1.5	4.0
ESE													
SE		.8		1.5								2.3	9.7
SSE		1.5										1.5	4.5
S	.8	1.5	1.5									3.8	5.0
SSW		1.5	.8									2.3	6.3
SW	.8											.8	2.0
WSW	.8		.8									1.5	5.5
W			.8									.8	10.0
WNW	3.8	6.0	1.5									11.3	4.3
NW	15.8	15.0	3.8									34.6	4.0
NNW	3.8	8.3	2.3	2.3								16.5	5.9
VARBL													
CALM												12.0	
	27.1	40.9	15.0	5.3								100.0	4.5

TOTAL NUMBER OF OBSERVATIONS

133

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-77
YEARS

OCT
MONTH

ALL WEATHER
CLASS

10
HOURS (L & T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNOTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	3.0	3.7	2.2								9.6	8.3
NNE	.7	3.7	1.5									5.9	5.4
NE	1.5	2.2	3.0									6.7	5.7
ENE	.7	1.5	.7									3.0	5.0
E	1.5	3.0										4.4	3.5
ESE	.7	.7										1.5	4.0
SE	5.2	1.5										6.7	3.1
SSE	2.2	3.7	.7									6.7	4.8
S	5.9	9.6	2.2	.7								18.5	4.8
SSW	.7	.7	.7									2.2	5.7
SW													
WSW	.7	1.5										2.2	4.7
W		.7										.7	4.0
WNW	.7	.7	2.2									3.7	6.6
NW	2.2	4.4	1.5	.7								8.9	5.8
NNW	1.5	3.7	3.7	5.2								14.1	8.5
VARBL													
CALM												5.2	
	25.2	40.7	20.0	8.9								100.0	5.5

TOTAL NUMBER OF OBSERVATIONS

135

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-77
YEARS

007
MONTH

ALL WEATHER
CLASS

13
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.3	2.2	2.9								7.4	9.2
NNE	.7	1.3	1.5									3.7	6.2
NE	1.5	.7	2.2	.7								5.1	6.6
ENE		3.7										3.7	5.4
E		4.4										4.4	4.8
ESE	.7	1.3	.7		.7							3.7	8.2
SE		3.7										3.7	5.2
SSE	3.7	5.9	1.3									11.0	4.4
S	6.6	10.3	1.5									18.4	4.1
SSW	.7	.7	2.2									3.7	7.2
SW		.7	.7									1.5	7.0
WSW			.7	.7								1.5	10.5
W		.7	2.2									2.9	7.0
WNNW		1.3	2.9	.7								5.1	7.7
NW	1.5	2.9	4.4	1.5								10.3	7.1
NNW	1.5	2.2	3.7	1.5								8.8	7.8
VARBL													
CALM												5.1	
	17.6	41.9	26.3	6.1	.7							100.0	5.9

TOTAL NUMBER OF OBSERVATIONS

136

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-77
YEARS

OCT
MONTH

ALL WEATHER
CLASS

16
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			4.4	1.8								6.2	9.6
NNE		.9	.9									1.8	7.0
NE	.9	5.3										6.2	4.4
ENE	1.8	1.8	1.8									5.3	5.0
E	.9	1.8										2.7	3.7
ESE			.9									.9	8.0
SE	.9	2.7		.9								4.4	6.2
SSE	1.8	3.5	.9									6.2	4.9
S	12.4	12.4	1.8			.9						27.4	4.6
SSW	2.7	2.7	.9									6.2	4.0
SW		.9										.9	6.0
WSW		.9										.9	5.0
W		1.8	.9									2.7	6.3
WNW	1.8	2.7	.9									5.3	4.7
NW	.9			1.8								2.7	8.3
NNW	.9	3.5	8.0	.9								13.3	7.5
VARBL													
CALM												7.1	
	24.8	40.7	21.2	5.3		.9						100.0	5.2

TOTAL NUMBER OF OBSERVATIONS

113

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-77

YEARS

OCT
MONTH

ALL WEATHER
CLASS

19

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		3.0										3.0	4.3
NNE		1.0										1.0	5.0
NE		1.0	1.0									2.0	5.5
ENE													
E	1.0	1.0	1.0									3.0	5.7
ESE	1.0			1.0								2.0	6.5
SE		2.0										2.0	5.0
SSE	3.0	1.0										4.0	3.5
S	3.0	5.0										8.0	3.4
SSW		1.0										1.0	4.0
SW	1.0	2.0										3.0	4.3
WSW	1.0	1.0										2.0	3.5
W	4.0	1.0										5.0	2.4
WNW	5.0	5.0										10.0	3.2
NW	4.0	5.0	2.0									11.0	4.3
NNW	3.0	3.0	4.0	2.0								12.0	6.2
VARBL													
CALM												31.0	
	26.0	32.0	8.0	3.0								100.0	3.0

TOTAL NUMBER OF OBSERVATIONS

100

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-75
YEARS

OCT
MONTH

ALL WEATHER
CLASS

22
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		2.2	2.2									4.3	5.8
NNE													
NE			2.2									2.2	9.0
ENE			1.1									1.1	7.0
E													
ESE		1.1	1.1									2.2	6.5
SE													
SSE	1.1	1.1	1.1									3.2	4.7
S	2.2	1.1										3.2	3.0
SSW		3.2	2.2									5.4	6.4
SW		2.2	1.1									3.2	6.7
WSW													
W	2.2	1.1	1.1									4.3	3.8
WNW	8.6	4.3	1.1									14.0	3.2
NW	14.0	11.4										25.8	3.3
NNW	1.1	4.3	3.2									8.6	5.5
VARBL													
CALM												22.6	
	29.0	32.3	16.1									100.0	3.4

TOTAL NUMBER OF OBSERVATIONS

93

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-77
YEARS

OCT
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	2.2	2.3	1.1								5.8	7.8
NNE	.2	1.3	.7									2.2	5.9
NE	.5	1.4	1.4	.1								3.5	6.0
ENE	.7	1.4	.4	.1								2.6	5.0
E	.8	1.7	.4									2.7	4.3
ESE	.3	.5	.3	.2	.1							1.5	7.2
SE	.9	1.6	.1	.3								2.9	5.1
SSE	1.5	2.4	.7	.1								4.7	4.7
S	4.1	5.7	1.2	.1		.1						11.2	4.5
SSW	.9	1.4	.9									2.9	5.3
SW	.2	.8	.3									1.5	5.9
WSW	.3	.6	.4	.1								1.4	5.8
W	1.0	.6	.7									2.4	4.5
WNW	3.7	4.1	1.5	.1								9.5	4.3
NW	8.0	8.9	2.0	.5								19.4	4.3
NNW	2.4	4.2	3.7	1.9								12.2	6.6
VARBL													
CALM												13.5	
	25.7	39.1	16.8	4.7	.1	.1						100.0	4.5

TOTAL NUMBER OF OBSERVATIONS

918

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

STATION 13773 QUANTICO, VIRGINIA STATION NAME
YEARS 73-75
MONTH NOV
HOURS (L.S.T.) 01

ALL WEATHER
CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.1	3.4	2.3								8.0	8.1
NNE	1.1											1.1	1.0
NE													
ENE													
E		1.1										1.1	4.0
ESE													
SE	1.1											1.1	3.0
SSE													
S	2.3	4.5	1.1									8.0	4.9
SSW		2.3	1.1	1.1								4.5	8.3
SW		1.1	2.3									3.4	7.3
WSW		1.1	1.1									2.3	7.5
W	4.5											4.5	2.3
WNW	3.4	8.0										11.4	4.0
NW	13.6	9.1	4.5	2.3								29.5	4.6
NNW	1.1	3.4	1.1	1.1								6.8	6.3
VARBL													
CALM												18.2	
	28.4	31.8	14.8	6.8								100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 88

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-75
YEARS

NOV
MONTH

ALL WEATHER
CLASS

04
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.1	4.5									5.7	7.8
NNE													
NE													
ENE													
E		1.1										1.1	4.0
ESE													
SE		1.1										1.1	6.0
SSE													
S		4.5	2.3	1.1								8.0	7.3
SSW	1.1	3.4										4.5	4.0
SW	1.1	2.3										3.4	4.3
WSW	1.1	1.1		1.1								3.4	6.3
W	2.3	3.4										5.7	3.2
WNW	5.7	4.5										10.2	3.2
NW	8.0	6.0	4.5									17.0	4.3
NNW	5.7	6.0	2.3									14.8	4.6
VARBL													
CALM												25.0	
	25.0	36.4	11.4	2.3								100.0	3.6

TOTAL NUMBER OF OBSERVATIONS

88

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-77
YEARS

NOV
MONTH

ALL WEATHER
CLASS

07
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.8	2.7	.9								5.4	7.7
NNE	.9	.9										1.9	4.5
NE			.9									.9	8.0
ENE													
E		.9										.9	5.0
ESE													
SE		.9										.9	6.0
SSE		.9										.9	5.0
S	.9	2.7	.9	1.8								6.3	7.9
SSW	2.7	1.8	1.8									6.3	4.6
SW		.9	.9									1.8	7.0
WSW	.9	.9	.9									2.7	5.0
W	.9	3.6		.9								5.4	6.0
WNW	10.8	5.4	.9									17.1	3.4
NW	6.3	10.8	2.7									19.8	4.5
NNW	2.7	4.5	3.6	.9								11.7	5.8
VARBL													
CALM												18.0	
	26.1	36.0	15.3	4.5								100.0	4.2

TOTAL NUMBER OF OBSERVATIONS

111

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-77

YEARS

NOV
MONTH

ALL WEATHER
CLASS

10
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	1.6	3.1	.8								6.3	7.6
NNE	1.6	.8	2.4									4.7	5.8
NE	1.6	2.4										3.9	4.8
ENE	.8	.8	.8									1.6	5.5
E	.8											.8	3.0
ESE													
SE	1.6	.8										2.4	2.7
SSE	1.6	6.3										7.9	4.0
S	7.1	11.6	3.9	.8								23.6	5.1
SSW				.8								.8	12.0
SW		.8	2.4	.8								3.9	8.2
WSW		3.1	1.6	.8								5.5	7.0
W	1.6	.8	1.6									3.9	5.4
WNW	1.6	1.6	2.4									5.5	5.7
NW	.8	3.9	4.7	.8								10.2	7.2
NNW	.8	1.6	7.1	1.6	.8							11.8	9.0
VARBL													
CALA												7.1	
	19.7	36.2	29.9	6.3	.8							100.0	5.8

TOTAL NUMBER OF OBSERVATIONS

127

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-77
YEARS

NOV
MONTH

ALL WEATHER
CLASS

13
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNOTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	1.6	2.3	.8								5.4	7.4
NNE	.8	.8	3.1	.8								5.4	7.1
NE		1.6	1.6									3.1	5.6
ENE													
E	.8	.8	.8									2.3	4.7
ESE													
SE	1.6											1.6	3.0
SSE	3.1	3.1	.8									7.0	4.1
S	4.7	13.2	6.5	3.1								29.3	6.2
SSW		1.6	2.3									3.9	7.8
SW		.8	3.1	.8								4.7	8.5
WSW		2.3	.8									3.1	6.0
W		1.6	3.9	.8								6.2	8.6
WNW		1.6	2.3	3.1	.8							7.8	10.0
NW	.8	3.9	2.3	2.3								9.3	7.8
NNW	.8	2.3	1.6	3.1								7.8	8.9
VARBL													
CALM												3.1	
	13.2	34.9	33.3	14.7	.8							100.0	6.9

TOTAL NUMBER OF OBSERVATIONS

129

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-77
YEARS

NOV
MONTH

ALL WEATHER
CLASS

16
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	2.7	1.8	.9								6.2	6.9
NNE			.9									.9	10.0
NE		1.8	.9									2.7	5.3
ENE	.9		.9									1.8	5.0
E	.9											.9	2.0
ESE	1.8		.9									2.7	4.3
SE		3.0										3.6	4.3
SSE	2.7	.9	1.8									5.4	4.3
S	7.1	8.9	6.2	.9								23.2	5.4
SSW	.9	3.0	1.8	.9								6.2	5.9
SW	.9	.9	.9	.9								2.7	8.3
WSW	.9	.9	1.8	.9								4.5	7.2
W		3.0	.9									4.5	5.6
WNW	1.8	2.7	2.7	1.8								8.9	6.9
NW	.9	1.8	3.0	.9								7.1	6.6
NNW	.9		7.1	4.5								12.5	9.1
VARBL													
CALM												6.2	
	19.6	31.2	32.1	10.7								100.0	5.9

TOTAL NUMBER OF OBSERVATIONS

112

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-77
YEARS

NOV
MONTH

ALL WEATHER
CLASS

19
HOURS (L.T.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		3.3	2.2									5.5	5.2
NNE													
NE			1.1									1.1	10.0
ENE													
E	2.2											2.2	1.5
ESE		1.1										1.1	5.0
SE													
SSE		1.1	1.1									2.2	6.0
S	5.5	4.4	3.3									13.2	4.1
SSW	2.2	4.4	2.2									8.8	5.1
SW		2.2										2.2	5.5
WSW	1.1	1.1										2.2	3.5
W	4.4											4.4	2.3
WNW	7.7	1.1	1.1									9.9	3.3
NW	3.3	4.4	1.1	2.2								11.0	5.9
NNW	1.1	4.4	3.3	1.1								9.9	6.9
VARBL													
CALM												26.4	
	27.5	27.5	15.4	3.3								100.0	3.6

TOTAL NUMBER OF OBSERVATIONS

91

SURFACE WINDS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-75
YEARS

NOV
MONTH

ALL WEATHER
CLASS

22
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		2.3	1.1									3.4	7.3
NNE													
NE													
ENE			1.1									1.1	8.0
E													
ESE	1.1												
SE		1.1											
SSE		1.1	1.1									1.1	2.0
S	2.3	3.4	5.7									1.1	5.0
SSW			2.3									2.3	6.5
SW	1.1	2.3										1.1	5.9
WSW		1.1										2.3	7.5
W	1.1	1.1										3.4	4.7
WNW	5.7	4.5	1.1									1.1	6.0
NW	10.2	10.2	1.1	4.5								2.3	4.0
NNW	3.4	5.7	4.5	1.1								11.4	3.8
VARBL												26.1	5.0
CALM												14.8	5.9
	25.0	33.0	18.2	5.7								18.2	
												100.0	4.4

TOTAL NUMBER OF OBSERVATIONS

88

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-77
YEARS

NOV
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	5	1.9	2.6	.7								5.8	7.3
NNE	6	.4	1.0	.1								2.0	6.2
NE	2	.6	.6									1.7	5.8
ENE	1	.1	.4									.6	5.6
E	6	.3	.1									1.2	3.5
ESE	4	.1	.1									.6	4.0
SE	6	1.0										1.6	3.9
SSE	1.1	1.9	.6									3.6	4.5
S	4.0	7.4	4.2	1.1								16.4	5.7
SSW	8	2.0	1.4	.2								4.6	6.0
SW	2	1.3	1.3	.4								3.2	7.1
WSW	5	1.6	.8	.4								3.2	6.3
W	1.7	1.6	1.0	.2								4.7	5.2
WNW	4.3	3.5	1.4	.7	.1							10.1	4.9
NW	4.9	6.1	2.9	1.6								15.5	5.4
NNW	1.9	3.4	4.0	1.8	.1							11.2	7.2
VARBL													
CALM												14.1	
	22.4	33.6	22.4	7.2	.1							100.0	5.0

TOTAL NUMBER OF OBSERVATIONS

834

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-75
YEARS

DEC
MONTH

ALL WEATHER
CLASS

01
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	5.4	1.1	1.1								9.7	5.7
NNE	1.1	1.1	2.2	1.1								5.4	7.6
NE		1.1										1.1	6.0
ENE													
E													
ESE		1.1	1.1									2.2	6.0
SE	1.1	2.2										3.2	3.3
SSE													
S		3.2	2.2									5.4	6.4
SSW	1.1	3.2			1.1							5.4	7.2
SW		3.2	1.1									4.3	7.0
WSW	1.1	1.1										2.2	4.5
W	1.1	1.1										2.2	4.0
WNW	4.3	6.5										10.8	3.9
NW	10.8	6.5	3.2	1.1								21.5	4.7
NNW	4.3	3.2	2.2	1.1								10.8	5.4
VARBL													
CALM												16.1	
	26.9	38.7	12.9	4.3	1.1							100.0	4.5

TOTAL NUMBER OF OBSERVATIONS

93

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-75
YEARS

DEC
MONTH

ALL WEATHER
CLASS

04
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	2.2										3.2	3.7
NNE			1.1	2.2								3.2	12.7
NE	1.1		1.1	1.1								3.2	7.3
ENE													
E													
ESE													
SE	1.1	1.1										2.2	2.5
SSE	1.1	2.2										3.2	4.0
S	3.2	3.2	1.1									7.5	4.6
SSW	2.2	3.2	1.1	1.1								7.5	6.7
SW													
WSW			1.1									1.1	10.0
W		1.1										1.1	4.0
WNW	6.5	3.2	2.2	1.1								12.9	5.0
NW	6.6	10.0	3.2									22.6	4.1
NNW	6.5	4.3	1.1	3.2								15.1	5.3
VARBL													
CALM												17.2	
	21.2	31.2	11.0	7.5	1.1							100.0	4.3

TOTAL NUMBER OF OBSERVATIONS

93

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-76
YEARS

DEC
MONTH

07
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.8	2.7		1.8							6.2	10.9
NNE		.9										.9	4.0
NE	.9				.9							1.8	10.5
ENE				.9								.9	14.0
E		2.7										2.7	5.7
ESE													
SE	.9											.9	2.0
SSE	.9		.9									1.8	4.5
S	2.7	1.8	2.7									7.1	5.1
SSW		4.4										4.4	5.0
SW	.9											.9	2.0
WSW													
W	1.8	1.8										3.5	3.5
WNW	8.0	4.4	1.8									14.2	3.8
NW	8.0	9.7	1.8	.9								20.4	4.2
NNW	2.7	8.8	1.8	3.5	.9							17.7	7.2
VARBL													
CALM												16.8	
	26.5	36.2	11.2	5.2	3.5							100.0	4.7

TOTAL NUMBER OF OBSERVATIONS

113

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-77
YEARS

DEC
MONTH

ALL WEATHER
CLASS

10
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	4.4	2.2	2.2								9.6	7.3
NNE	1.5	3.0										4.4	4.0
NE	.7	.7										1.5	3.5
ENE	2.2											2.2	2.0
E			.7			.7						1.5	15.5
ESE	.7											.7	3.0
SE	1.5											1.5	2.0
SSE	1.5	3.0	.7									5.2	4.4
S	4.4	5.2	0.7									16.3	5.5
SSW		3.0	.7									3.7	5.2
SW		2.2	.7									3.0	5.8
WSW	.7											.7	2.0
W	.7	.7		.7								2.2	6.7
WNW	1.5	2.2	2.2	1.5	.7							8.1	8.1
NW	2.2	3.0		2.2								7.4	6.9
NNW	2.2	5.2	4.4	3.7								15.6	7.8
VARBL													
CALM												16.3	
	20.7	32.6	18.5	10.4	.7	.7						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS

135

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-77
YEARS

DEC
MONTH

ALL WEATHER
CLASS

13
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.5	3.7	.7								6.0	7.5
NNE		1.5	1.5									3.0	6.5
NE		1.5	.7									2.2	5.7
ENE	3.0	1.5			.7							5.2	5.4
E	.7	3.0										3.7	4.0
ESE	2.2											2.2	1.7
SE		.7	.7									1.5	7.0
SSE	2.2	6.7	3.0									11.9	5.0
S	7.5	9.0	4.5	1.5								22.4	5.1
SSW	.7	3.0		.7								4.5	5.3
SW		.7	2.2									3.0	7.3
WSW			1.5									1.5	7.5
W	.7	1.5	.7									3.0	5.3
WNW		2.2	.7	2.2								5.2	9.1
NW	1.5	.7	2.2	3.0								7.5	9.8
NNW		2.2	3.0	5.2	.7							11.2	10.0
VARBL													
CALM												6.0	
	18.7	35.4	24.6	13.4	1.5							100.0	6.1

TOTAL NUMBER OF OBSERVATIONS

134

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-77
YEARS

DEC
MONTH

ALL WEATHER
CLASS

16
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	.9	2.6	.9								5.1	7.5
NNE	.9											.9	2.0
NE	2.6	3.4	.9									6.8	4.0
ENE	2.6	1.7										4.3	3.4
E	.9											.9	3.0
ESE													
SE	.9			.9								1.7	8.0
SSE	3.4	.9	.9	.9								6.0	4.6
S	8.5	9.4	3.4	.9								22.2	4.7
SSW	.9	1.7	1.7	.9								5.1	6.7
SW	.9	.9										.9	5.0
WSW	.9	4.3										5.1	4.3
W	3.4	1.7	.9									6.0	4.0
WNW	1.7	1.7	2.6	.9								6.8	6.8
NW		2.6	4.3	2.6								9.4	9.2
NNW	.9	1.7	4.3	1.7								8.5	8.4
VARBL													
CALM												10.3	
	28.2	30.6	21.4	9.4								100.0	5.2

TOTAL NUMBER OF OBSERVATIONS

117

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-77
YEARS

DEC
MONTH

ALL WEATHER
CLASS

19
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		3.0	1.0	1.0								5.1	7.4
NNE			1.0									1.0	10.0
NE			1.0									1.0	10.0
ENE	2.0	1.0										3.0	3.7
E	2.0	2.0										4.0	3.3
ESE	1.0	1.0										2.0	3.5
SE		1.0										1.0	5.0
SSE	1.0	1.0										2.0	4.0
S	2.0	4.0	2.0									8.1	5.1
SSW	4.0	3.0	2.0									9.1	4.4
SW	1.0	1.0										2.0	4.5
WSW		1.0										1.0	4.0
W	3.0	2.0										5.1	3.0
WNW	6.1		2.0	1.0								9.1	5.0
NW	2.0	6.1	3.0	1.0	1.0							13.1	6.8
NNW		1.0	3.0	1.0	1.0							6.1	9.5
VARB													
CALM												27.3	
	24.2	27.2	12.2	4.0	2.0							100.0	4.1

TOTAL NUMBER OF OBSERVATIONS

99

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-75
YEARS

DEC
MONTH

ALL WEATHER
CLASS

22
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	2.2	2.2	1.1								7.5	6.9
NNE	2.2											2.2	2.0
NE	1.1	1.1	1.1	1.1								4.3	7.5
ENE													
E													
ESE	1.1	1.1										2.2	4.5
SE	1.1	3.2										4.3	4.8
SSE													
S	2.2	5.4										7.5	3.7
SSW	1.1	1.1	4.3									6.5	7.8
SW	1.1	1.1	2.2									3.2	6.7
WSW	1.1											1.1	2.0
W	1.1	1.1										2.2	3.5
WNW	5.4	2.2	2.2									9.7	4.0
NW	12.9	7.5	4.3	3.2								25.6	5.0
NNW	2.2	1.1	3.2	2.2								8.6	6.8
VABBL													
CALM												15.1	
	33.3	26.4	17.2	7.5								100.0	4.5

TOTAL NUMBER OF OBSERVATIONS

93

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-77
YEARS

DEC
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	2.5	2.1	.9	.2							6.6	7.3
NNE	.7	.9	.7	.3								2.6	6.3
NE	.8	1.0	.6	.2	.1							2.7	6.0
ENE	1.4	.6		.1	.1							2.2	4.5
E	.5	1.0	.1			.1						1.7	5.6
ESE	.7	.2	.1									1.1	3.6
SE	.8	.9	.1	.1								1.9	4.4
SSE	1.4	1.9	.8	.1								4.2	4.6
S	4.1	5.4	3.1	.3								12.9	5.0
SSW	1.1	2.9	1.1	.2	.2							5.6	6.0
SW	.2	1.1	.6									2.2	6.1
WSW	.5	.8	.3									1.6	4.9
W	1.5	1.4	.2	.1								3.2	4.2
WNW	3.9	2.7	1.7	.9	.1							9.4	5.5
NW	5.2	5.5	2.4	1.8	.1							15.1	5.7
NNW	2.2	3.5	3.0	2.9	.3							11.9	7.5
VARBL													
CALM												15.2	
	25.7	32.6	17.1	8.1	1.3	.1						100.0	4.9

TOTAL NUMBER OF OBSERVATIONS

677

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-77

YEARS

ALL
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.0	1.6	.5	.0	.0						5.0	6.7
NNE	.5	1.1	.6	.1								2.5	5.9
NE	.6	1.5	1.0	.1	.0							3.3	5.9
ENE	.6	1.3	.6	.0	.0							2.6	5.3
E	.8	1.4	.3	.0		.0						2.5	6.6
ESE	.8	1.0	.4	.1	.0							2.2	4.8
SE	1.2	2.2	.5	.1								4.1	4.7
SSE	1.6	3.3	1.3	.1	.0							6.3	4.9
S	3.4	5.4	3.3	.4		.0						13.5	5.3
SSW	1.1	2.3	1.2	.2	.0							4.7	5.5
SW	.5	.4	.8	.1								2.3	5.8
WSW	.7	.6	.5	.1	.0	.0						2.1	5.4
W	2.1	1.6	.8	.2	.0							5.0	4.8
WNW	3.5	3.3	1.4	.6	.0	.0						9.0	5.0
NW	4.5	4.7	2.3	1.0	.1	.0						12.6	5.4
NNW	1.6	3.3	2.7	1.1	.1	.0						9.0	6.6
VARBL													
CALM												13.3	
	26.4	37.4	19.9	4.7	.4	.1						100.0	4.7

TOTAL NUMBER OF OBSERVATIONS

11537

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-77
YEARS

ALL
MONTH

INSTRUMENT
CLASS

ALL
HOURS (L.S.T.)

CIG 200 TO 1400 FT W/VSBY 1/2 MI OR MORE

CONDITION

AND/OR VSBY 1/2 TO 2-1/2 MI W/CIG 200 FT OR MORE

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	3.7	3.4	.1	.1							8.1	6.5
NNE	.6	2.2	2.4	.3								5.7	6.5
NE	.8	3.4	3.2	.3	.1							7.8	6.7
ENE	1.3	2.8	1.5	.3	.1							5.9	5.8
E	1.3	2.2	.7	.1		.1						4.3	5.0
ESE	1.0	1.1	.5	.1								2.7	5.1
SE	1.3	1.8	.6	.2								4.2	5.3
SSE	1.5	2.5	1.0	.1								5.2	4.8
S	3.3	4.4	2.3	.5								10.5	5.2
SSW	1.1	1.5	.4									3.0	4.4
SW	.3	.1	.2									.7	4.7
WSW	.8	.3	.2	.1								1.4	3.9
W	1.7	.7	.2									2.7	3.3
WNW	1.5	1.6	1.0	.1								4.3	4.9
NW	4.1	3.7	1.5	.3								9.7	4.6
NNW	2.2	3.7	2.0	1.3	.1							9.4	6.2
VARBL													
CALM												14.4	
	23.9	35.4	21.5	3.9	.3	.1						100.0	4.7

TOTAL NUMBER OF OBSERVATIONS

1429

NWSD, Federal Building
Asheville, N. C.

PART D

CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from 3-hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By month - all years and all hours combined
3. By month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 0
NO CEILING													
≥ 1800													
≥ 1500					91.0								92.6
≥ 1200													
≥ 1000													
≥ 900													
≥ 800													
≥ 700													
≥ 600													
≥ 500										97.4			98.1
≥ 400													
≥ 300													
≥ 200													
≥ 100													
0					95.4		96.9			98.3			100.0

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed ≥ 0 .
 For instance, from the table: Ceiling ≥ 1500 feet = 92.6%.
 Ceiling ≥ 500 feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite ≥ 0 . From the table:
 Visibility ≥ 3 miles = 95.4%.
 Visibility ≥ 2 miles = 96.9%.
 Visibility ≥ 1 mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling ≥ 1500 feet with visibility ≥ 3 miles = 91.0%.

PART D

ADDITIONAL EXAMPLES

EXAMPLE # 4

Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%. Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5

To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of ≥ 1500 feet with ≥ 3 miles, subtracted from 97.4 read from the table at the intersection of ≥ 500 feet with ≥ 1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling ≥ 500 feet with visibility > 1 mile, but < 3 miles; or ceiling ≥ 500 feet, but < 1500 feet with visibility ≥ 1 mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

PART D

SKY COVER

This summary is prepared from 3-hourly observations and is a percentage frequency distribution of total sky cover by tenths, plus mean sky cover, and total number of observations. It is presented in two tables as follows:

1. By month and annual - all hours and all years combined.
2. By month - by standard 3-hour groups.

NOTE: # 1: Sky cover (total cloud amount) was not reported by U. S. Services until mid 1945. Data, when available, were punched for Air Force stations beginning in 1946, but were not available for Navy stations until 1948 or 1949. Weather Bureau stations recorded total cloud amount in remarks beginning sometime in 1945, but few stations have punched data prior to 1948. This summary will, of course, be limited to period of available data.

NOTE: # 2: Some sources of punched data used for this summary report cloud amounts in oktas. These have been converted to tenths prior to summarizing, and notation is made on the form to indicate that data were originally reported in oktas. The manner of conversion is given below:

OKTAS

0
1
2
3
4
5
6
7
8 (or obscured)

TENTHS

0
1
3
4
5
6
8
9
10

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

13773

QUANTICO, VIRGINIA

STATION NAME

73-76

YEARS

JAN

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

01

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½
NO CEILING											
≥ 20000	50.0	53.2	54.0	54.8	54.8	54.8	54.8	55.7	55.7	55.7	55.7
≥ 18000	55.7	58.9	59.7	60.5	60.5	60.5	60.5	61.3	61.3	61.3	61.3
≥ 16000	55.7	58.9	59.7	60.5	60.5	60.5	60.5	61.3	61.3	61.3	61.3
≥ 14000	55.7	58.9	59.7	60.5	60.5	60.5	60.5	61.3	61.3	61.3	61.3
≥ 12000	56.5	59.7	60.5	61.3	61.3	61.3	61.3	62.1	62.1	62.1	62.1
≥ 10000	58.9	62.1	62.9	63.7	63.7	63.7	63.7	64.5	64.5	64.5	64.5
≥ 9000	58.9	62.1	62.9	63.7	63.7	63.7	63.7	64.5	64.5	64.5	64.5
≥ 8000	61.3	64.5	65.3	66.1	66.9	66.9	66.9	67.7	67.7	67.7	67.7
≥ 7000	62.1	65.3	66.1	67.7	67.7	67.7	67.7	68.6	68.6	68.6	68.6
≥ 6000	62.1	65.3	66.1	67.7	67.7	67.7	67.7	68.6	68.6	68.6	68.6
≥ 5000	66.1	69.4	70.2	71.8	71.8	71.8	71.8	73.4	73.4	73.4	73.4
≥ 4500	66.9	70.2	71.0	72.6	72.6	72.6	72.6	74.2	74.2	74.2	74.2
≥ 4000	71.0	74.2	75.8	77.4	77.4	77.4	77.4	79.0	79.0	79.0	79.0
≥ 3500	71.0	75.0	76.6	78.2	78.2	78.2	78.2	79.8	79.8	79.8	79.8
≥ 3000	73.4	77.4	79.0	80.7	80.7	80.7	80.7	82.3	82.3	82.3	82.3
≥ 2500	74.2	78.2	79.8	81.5	81.5	81.5	81.5	83.1	83.1	83.1	83.1
≥ 2000	75.0	79.0	80.7	82.3	82.3	82.3	82.3	83.9	83.9	83.9	83.9
≥ 1800	75.0	79.0	80.7	82.3	82.3	82.3	82.3	83.9	83.9	83.9	83.9
≥ 1500	75.8	80.7	82.3	83.9	83.9	83.9	83.9	85.5	85.5	85.5	85.5
≥ 1200	75.8	80.7	83.1	84.7	84.7	84.7	84.7	86.3	86.3	86.3	86.3
≥ 1000	76.6	81.5	83.9	86.3	87.1	87.1	87.1	88.7	88.7	88.7	88.7
≥ 900	77.4	82.3	84.7	87.1	87.9	87.9	87.9	89.5	89.5	89.5	89.5
≥ 800	77.4	82.3	84.7	87.9	88.7	88.7	88.7	91.1	91.1	91.1	91.1
≥ 700	77.4	82.3	84.7	87.9	88.7	88.7	88.7	91.1	91.1	91.1	91.1
≥ 600	77.4	82.3	85.5	89.5	89.5	89.5	89.5	92.7	92.7	92.7	92.7
≥ 500	77.4	82.3	85.5	89.5	89.5	89.5	89.5	94.4	94.4	94.4	94.4
≥ 400	77.4	82.3	85.5	89.5	89.5	89.5	89.5	95.2	95.2	95.2	95.2
≥ 300	77.4	82.3	85.5	89.5	89.5	89.5	89.5	96.0	96.0	96.0	96.0
≥ 200	77.4	82.3	85.5	89.5	89.5	89.5	89.5	97.6	97.6	97.6	97.6
≥ 100	77.4	82.3	85.5	89.5	89.5	89.5	89.5	98.4	98.4	98.4	98.4
≥ 0	77.4	82.3	85.5	89.5	89.5	89.5	89.5	99.2	99.2	99.2	99.2

TOTAL NUMBER OF OBSERVATIONS

124

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-76

YEARS

JAN
MONTH

04
HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
6000													
5000													
4500													
4000													
3500													
3000													
2500													
2000													
1800													
1500													
1200													
1000													
900													
800													
700													
600													
500													
400													
300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

124

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-77

YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

07
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ ¾	≥ ½
NO CEILING	6.9	35.4	37.5	38.9	39.6	40.3	41.0	41.0	41.0	41.0	41.0
≥ 20000	7.6	40.3	43.8	45.8	47.2	47.9	48.6	48.6	48.6	48.6	48.6
18000	7.6	40.3	43.8	45.8	47.2	47.9	48.6	48.6	48.6	48.6	48.6
16000	7.6	40.3	43.8	45.8	47.2	47.9	48.6	48.6	48.6	48.6	48.6
14000	7.6	40.3	43.8	45.8	47.2	47.9	48.6	48.6	48.6	48.6	48.6
12000	7.6	41.0	44.4	46.5	47.9	48.6	49.3	49.3	49.3	49.3	49.3
10000	7.6	46.5	50.0	52.1	53.5	54.2	54.9	54.9	54.9	54.9	54.9
8000	7.6	52.1	56.3	58.3	59.7	60.4	61.1	61.1	61.1	61.1	61.1
7000	8.3	54.2	58.3	60.4	61.8	62.5	63.2	63.2	63.2	63.2	63.2
6000	8.3	54.2	58.3	60.4	61.8	62.5	63.2	63.2	63.2	63.2	63.2
5000	8.3	55.6	61.1	63.2	65.3	66.0	66.7	66.7	66.7	66.7	66.7
4500	8.3	56.3	61.8	63.9	66.0	66.7	67.4	67.4	67.4	67.4	67.4
4000	8.3	61.1	67.4	69.4	71.5	72.2	72.9	72.9	72.9	72.9	72.9
3500	8.3	61.8	68.1	70.1	72.9	73.6	74.3	74.3	74.3	74.3	74.3
3000	8.3	66.0	72.2	74.3	77.1	77.8	78.5	79.2	79.2	79.2	79.2
2500	8.3	67.4	73.6	75.7	79.2	79.9	80.6	81.3	81.3	81.3	81.3
2000	8.3	68.1	74.3	76.4	79.9	81.3	81.9	83.3	83.3	83.3	83.3
1800	8.3	68.1	74.3	76.4	79.9	81.3	81.9	83.3	83.3	83.3	83.3
1500	8.3	68.8	75.7	77.8	81.3	83.3	84.0	85.4	85.4	85.4	85.4
1200	8.3	68.8	75.7	78.5	81.9	84.0	84.7	86.1	86.1	86.1	86.1
1000	8.3	69.4	76.4	79.2	82.6	84.7	86.8	88.2	88.2	88.9	88.9
900	8.3	69.4	76.4	79.2	82.6	84.7	86.8	88.2	88.2	88.9	88.9
800	8.3	69.4	76.4	80.6	84.0	86.1	88.2	89.6	89.6	89.6	89.6
700	8.3	69.4	77.1	81.3	84.7	86.8	88.9	90.3	90.3	90.3	90.3
600	8.3	70.1	77.8	81.9	85.4	87.5	90.3	91.0	91.0	91.0	91.0
500	8.3	70.1	77.8	81.9	85.4	87.5	91.0	93.1	93.1	93.1	93.1
400	8.3	70.1	77.8	81.9	85.4	87.5	91.0	93.1	93.1	93.1	93.1
300	8.3	70.1	77.8	81.9	85.4	87.5	91.0	93.1	93.1	93.1	93.1
200	8.3	70.1	77.8	81.9	86.1	88.2	92.4	95.1	95.1	95.1	95.1
100	8.3	70.1	77.8	81.9	86.1	88.2	92.4	95.1	95.1	95.1	95.1
0	8.3	70.1	77.8	81.9	86.1	88.2	92.4	95.1	95.1	95.1	95.1

TOTAL NUMBER OF OBSERVATIONS

144

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-77

YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	18.1	42.4	43.8	43.1	46.5	46.5	47.2	47.9	47.9	47.9	47.9
≥ 20000	18.1	47.2	48.6	50.0	51.4	51.4	52.1	52.8	52.8	52.8	52.8
≥ 18000	18.1	47.2	48.6	50.0	51.4	51.4	52.1	52.8	52.8	52.8	52.8
≥ 16000	18.8	47.9	49.3	50.7	52.1	52.1	52.8	53.5	53.5	53.5	53.5
≥ 14000	18.8	47.9	49.3	50.7	52.1	52.1	52.8	53.5	53.5	53.5	53.5
≥ 12000	18.8	50.0	51.4	52.8	54.2	54.2	54.9	55.6	55.6	55.6	55.6
≥ 10000	20.1	54.2	55.6	56.9	58.3	58.3	59.0	59.7	59.7	59.7	59.7
≥ 9000	20.1	54.2	55.6	56.9	58.3	58.3	59.0	59.7	59.7	59.7	59.7
≥ 8000	22.2	59.7	61.8	63.2	64.6	64.6	65.3	66.0	66.0	66.0	66.0
≥ 7000	22.9	60.4	62.5	63.9	65.3	65.3	66.0	66.7	66.7	66.7	66.7
≥ 6000	22.9	60.4	62.5	63.9	65.3	65.3	66.0	66.7	66.7	66.7	66.7
≥ 5000	22.9	63.2	66.0	67.4	68.8	68.8	69.4	70.1	70.1	70.1	70.1
≥ 4500	23.6	63.9	67.4	68.8	70.1	70.1	70.8	71.5	71.5	71.5	71.5
≥ 4000	23.6	64.6	68.1	69.4	70.8	70.8	71.5	72.2	72.2	72.2	72.2
≥ 3500	23.6	66.0	69.4	70.8	72.2	72.2	72.9	73.6	73.6	73.6	73.6
≥ 3000	25.7	70.8	75.7	77.8	79.2	79.2	80.6	81.3	81.3	81.3	81.3
≥ 2500	25.7	70.8	75.7	77.8	79.2	79.2	80.6	81.3	81.3	81.3	81.3
≥ 2000	25.7	71.5	76.4	78.5	79.9	79.9	80.6	81.3	81.3	81.3	81.3
≥ 1800	25.7	71.5	76.4	78.5	79.9	79.9	80.6	81.3	81.3	81.3	81.3
≥ 1500	25.7	72.2	77.8	79.9	81.3	81.3	82.6	83.3	83.3	83.3	83.3
≥ 1200	25.7	72.2	77.8	79.9	81.3	81.3	82.6	83.3	83.3	83.3	83.3
≥ 1000	25.7	72.9	79.9	81.9	84.0	84.0	84.7	85.4	85.4	85.4	85.4
≥ 900	25.7	72.9	79.9	81.9	84.0	84.0	84.7	85.4	85.4	85.4	85.4
≥ 800	25.7	73.6	80.6	82.6	86.1	86.1	86.8	87.5	87.5	87.5	87.5
≥ 700	25.7	74.3	81.3	83.3	86.8	86.8	87.5	88.2	88.2	88.2	88.2
≥ 600	25.7	74.3	81.9	84.0	87.5	87.5	88.2	88.9	88.9	88.9	88.9
≥ 500	25.7	74.3	81.9	84.7	88.2	88.2	88.9	89.6	89.6	89.6	89.6
≥ 400	25.7	75.0	82.6	85.4	88.9	88.9	89.6	90.3	90.3	90.3	90.3
≥ 300	25.7	75.0	82.6	85.4	88.9	88.9	89.6	90.3	90.3	90.3	90.3
≥ 200	25.7	75.0	82.6	85.4	88.9	88.9	89.6	90.3	90.3	90.3	90.3
≥ 100	25.7	75.0	82.6	85.4	88.9	88.9	89.6	90.3	90.3	90.3	90.3
0	25.7	75.0	82.6	85.4	88.9	88.9	89.6	90.3	90.3	90.3	90.3

TOTAL NUMBER OF OBSERVATIONS

144

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-77

YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING	16.8	36.4	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1
≥ 20000	18.9	46.2	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
≥ 18000	18.9	46.2	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
≥ 16000	18.9	46.2	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
≥ 14000	18.9	47.6	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 12000	21.0	50.4	51.8	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
≥ 10000	23.8	56.6	58.0	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 9000	23.8	57.3	58.7	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 8000	25.9	60.8	62.2	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
≥ 7000	25.9	60.8	62.2	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
≥ 6000	26.6	62.2	63.6	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 5000	28.0	65.0	67.1	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 4500	28.0	65.0	67.1	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 4000	28.0	67.8	70.6	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 3500	29.4	70.6	73.4	74.9	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 3000	30.8	75.5	79.0	80.4	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
≥ 2500	31.5	76.2	80.4	81.8	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 2000	31.5	76.2	80.4	81.8	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 1800	32.2	76.9	81.1	82.5	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 1500	32.9	77.6	83.2	84.6	85.3	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 1200	32.9	78.3	83.9	86.0	86.7	87.4	87.4	87.4	87.4	87.4	87.4	87.4
≥ 1000	32.9	79.7	86.0	88.1	88.8	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 900	32.9	80.4	86.7	88.8	89.5	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 800	32.9	80.4	86.7	88.8	89.5	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 700	32.9	81.1	88.1	90.2	90.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 600	32.9	81.8	88.8	90.9	91.6	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 500	32.9	81.8	88.8	90.9	91.6	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 400	32.9	81.8	88.8	91.6	93.0	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 300	32.9	81.8	88.8	91.6	93.7	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 200	32.9	81.8	88.8	91.6	93.7	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 100	32.9	81.8	88.8	91.6	93.7	96.5	96.5	96.5	96.5	96.5	96.5	96.5
0	32.9	81.8	88.8	91.6	93.7	96.5	96.5	96.5	96.5	96.5	96.5	96.5

TOTAL NUMBER OF OBSERVATIONS 143

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-77

YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

16
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	20.1	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9
≥ 20000	26.4	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
≥ 18000	26.4	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
≥ 16000	26.4	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
≥ 14000	26.4	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥ 12000	27.8	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
≥ 10000	29.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
≥ 9000	29.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
≥ 8000	31.3	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 7000	31.9	63.9	63.9	63.9	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 6000	31.9	63.9	63.9	64.6	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 5000	32.6	67.4	67.4	68.1	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
≥ 4500	32.6	67.4	67.4	68.1	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
≥ 4000	33.3	72.9	72.9	73.6	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 3500	34.7	75.7	75.7	76.4	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
≥ 3000	36.1	79.2	79.2	79.9	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 2500	36.1	79.9	79.9	80.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 2000	37.5	82.6	82.6	83.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
≥ 1800	37.5	82.6	82.6	83.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
≥ 1500	37.5	84.0	84.0	86.1	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥ 1200	37.5	85.4	85.4	87.5	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 1000	37.5	85.4	85.4	87.5	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 900	37.5	86.1	86.1	88.2	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 800	37.5	86.8	86.8	88.9	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 700	37.5	86.8	86.8	89.6	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 600	37.5	86.8	86.8	89.6	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 500	37.5	87.5	87.5	90.3	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 400	37.5	87.5	87.5	90.3	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 300	37.5	87.5	87.5	90.3	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 200	37.5	87.5	87.5	90.3	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 100	37.5	87.5	87.5	90.3	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 0	37.5	87.5	87.5	90.3	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1

TOTAL NUMBER OF OBSERVATIONS 144

CEILING VERSUS VISIBILITY

NATIONAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

QUANTICO, VIRGINIA

73-77

STATION NAME

YEARS

JAN

MONT

19

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	4.0	49.2	49.2	49.2	49.2	50.0	50.0	50.0	50.0	50.8	50.8	50.8	50.8	50.8
≥ 20000	4.8	54.8	54.8	54.8	54.8	55.6	55.6	55.6	55.6	56.4	56.4	56.4	56.4	56.4
≥ 18000	4.8	54.8	54.8	54.8	54.8	55.6	55.6	55.6	55.6	56.4	56.4	56.4	56.4	56.4
≥ 16000	4.8	54.8	54.8	54.8	54.8	55.6	55.6	55.6	55.6	56.4	56.4	56.4	56.4	56.4
≥ 14000	4.8	55.6	55.6	55.6	55.6	56.4	56.4	56.4	56.4	57.1	57.1	57.1	57.1	57.1
≥ 12000	4.6	59.5	59.5	59.5	59.5	60.3	60.3	60.3	60.3	61.1	61.1	61.1	61.1	61.1
≥ 10000	4.8	63.5	63.5	63.5	63.5	64.3	64.3	64.3	64.3	65.1	65.1	65.1	65.1	65.1
≥ 9000	4.8	63.5	63.5	63.5	63.5	64.3	64.3	64.3	64.3	65.1	65.1	65.1	65.1	65.1
≥ 8000	4.8	67.5	67.5	67.5	67.5	69.8	69.8	69.8	69.8	70.6	70.6	70.6	70.6	70.6
≥ 7000	4.8	68.3	68.3	68.3	68.3	70.6	70.6	70.6	70.6	71.4	71.4	71.4	71.4	71.4
≥ 6000	4.8	68.3	68.3	68.3	68.3	70.6	70.6	70.6	70.6	71.4	71.4	71.4	71.4	71.4
≥ 5000	4.8	70.6	70.6	71.4	73.0	73.8	73.8	73.8	73.8	74.6	74.6	74.6	74.6	74.6
≥ 4500	4.8	73.8	73.8	74.6	76.2	77.0	77.0	77.0	77.0	77.8	77.8	77.8	77.8	77.8
≥ 4000	4.8	76.2	77.0	77.8	79.4	80.2	80.2	80.2	80.2	81.0	81.0	81.0	81.0	81.0
≥ 3500	4.8	77.8	78.6	79.4	81.8	82.5	82.5	82.5	82.5	83.3	83.3	83.3	83.3	83.3
≥ 3000	4.8	81.0	81.8	82.5	84.9	86.5	86.5	86.5	86.5	87.3	87.3	87.3	87.3	87.3
≥ 2500	4.8	82.5	83.3	84.1	86.5	88.1	88.1	88.1	88.1	88.9	88.9	88.9	88.9	88.9
≥ 2000	4.8	83.3	84.1	84.9	87.3	88.9	88.9	88.9	88.9	89.7	89.7	89.7	89.7	89.7
≥ 1800	4.8	83.3	84.1	84.9	87.3	88.9	88.9	88.9	88.9	89.7	89.7	89.7	89.7	89.7
≥ 1500	4.6	83.3	84.1	84.9	88.1	89.7	90.5	90.5	90.5	91.3	91.3	91.3	91.3	91.3
≥ 1200	4.8	83.3	84.1	84.9	88.1	89.7	90.5	90.5	90.5	91.3	91.3	91.3	91.3	91.3
≥ 1000	4.8	83.3	84.1	84.9	89.7	91.3	92.9	92.9	92.9	93.7	93.7	93.7	93.7	93.7
≥ 900	4.8	83.3	84.1	84.9	89.7	91.3	92.9	92.9	92.9	93.7	93.7	93.7	93.7	93.7
≥ 800	4.8	83.3	84.1	84.9	90.5	92.1	93.7	93.7	93.7	94.4	94.4	94.4	94.4	94.4
≥ 700	4.8	83.3	84.1	84.9	90.5	92.1	93.7	93.7	93.7	95.2	95.2	95.2	95.2	95.2
≥ 600	4.8	83.3	84.1	84.9	90.5	92.1	93.7	93.7	93.7	95.2	95.2	95.2	95.2	95.2
≥ 500	4.8	83.3	84.1	84.9	90.5	92.1	93.7	93.7	93.7	96.8	96.8	96.8	96.8	96.8
≥ 400	4.8	83.3	84.1	84.9	90.5	92.1	93.7	93.7	93.7	96.8	96.8	96.8	96.8	96.8
≥ 300	4.8	83.3	84.1	84.9	90.5	92.1	93.7	93.7	93.7	96.8	96.8	96.8	96.8	96.8
≥ 200	4.8	83.3	84.1	84.9	90.5	92.1	93.7	93.7	93.7	96.8	96.8	96.8	96.8	96.8
≥ 100	4.8	83.3	84.1	84.9	90.5	92.1	93.7	93.7	93.7	96.8	96.8	96.8	96.8	96.8
0	4.8	83.3	84.1	84.9	90.5	92.1	93.7	93.7	93.7	96.8	96.8	96.8	96.8	96.8

TOTAL NUMBER OF OBSERVATIONS

126

CEILING VERSUS VISIBILITY

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-76

YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

22
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING													
≥ 20000		52.4	52.4	52.4	52.4	52.4	53.2	53.2	53.2	53.2	53.2	53.2	54.0
≥ 18000		58.1	58.1	58.1	58.1	58.1	58.9	58.9	58.9	58.9	58.9	58.9	59.7
≥ 16000		58.1	58.1	58.1	58.1	58.1	58.9	58.9	58.9	58.9	58.9	58.9	59.7
≥ 14000		58.1	58.1	58.1	58.1	58.1	58.9	58.9	58.9	58.9	58.9	58.9	59.7
≥ 12000		58.1	58.1	58.1	58.1	58.1	58.9	58.9	58.9	58.9	58.9	58.9	59.7
≥ 10000		62.9	62.9	62.9	62.9	62.9	63.7	63.7	63.7	63.7	63.7	63.7	64.5
≥ 9000		62.9	62.9	62.9	62.9	62.9	63.7	63.7	63.7	63.7	63.7	63.7	64.5
≥ 8000		69.4	69.4	69.4	70.2	70.2	71.0	71.0	71.0	71.0	71.0	71.0	71.8
≥ 7000		70.2	70.2	70.2	71.0	71.0	71.8	71.8	71.8	71.8	71.8	71.8	72.6
≥ 6000		70.2	70.2	70.2	71.0	71.0	71.8	71.8	71.8	71.8	71.8	71.8	72.6
≥ 5000		71.0	71.8	71.8	72.6	72.6	73.4	73.4	73.4	73.4	73.4	73.4	74.2
≥ 4500		72.6	73.4	74.2	75.0	75.0	75.8	75.8	75.8	75.8	75.8	75.8	76.6
≥ 4000		75.8	76.6	77.4	79.0	79.0	80.7	80.7	80.7	80.7	80.7	80.7	81.5
≥ 3500		76.6	77.4	78.2	79.8	79.8	81.5	81.5	81.5	81.5	81.5	81.5	82.3
≥ 3000		79.8	81.5	82.3	83.9	83.9	85.5	85.5	85.5	85.5	85.5	85.5	86.3
≥ 2500		80.7	83.1	83.9	85.5	85.5	87.1	87.1	87.1	87.1	87.1	87.1	87.9
≥ 2000		83.1	86.3	87.1	88.7	88.7	90.3	90.3	90.3	90.3	90.3	90.3	91.1
≥ 1800		83.1	86.3	87.1	88.7	88.7	90.3	90.3	90.3	90.3	90.3	90.3	91.1
≥ 1500		83.1	86.3	87.9	89.5	89.5	91.1	91.1	91.1	91.1	91.1	91.1	91.9
≥ 1200		83.1	86.3	87.9	89.5	89.5	91.1	91.1	91.1	91.1	91.1	91.1	91.9
≥ 1000		83.1	86.3	87.9	89.5	89.5	91.1	91.1	91.1	91.1	91.1	91.1	91.9
≥ 900		83.1	86.3	87.9	89.5	89.5	91.1	91.1	91.1	91.1	91.1	91.1	91.9
≥ 800		83.1	86.3	87.9	89.5	89.5	91.1	91.1	91.1	91.1	91.1	91.1	91.9
≥ 700		83.1	86.3	87.9	89.5	89.5	91.1	91.1	91.1	91.1	91.1	91.1	91.9
≥ 600		83.1	86.3	87.9	89.5	89.5	91.1	91.1	91.1	91.1	91.1	91.1	91.9
≥ 500		83.1	86.3	87.9	89.5	89.5	91.1	91.1	91.1	91.1	91.1	91.1	91.9
≥ 400		83.1	86.3	87.9	89.5	89.5	91.1	91.1	91.1	91.1	91.1	91.1	91.9
≥ 300		83.1	86.3	87.9	89.5	89.5	91.1	91.1	91.1	91.1	91.1	91.1	91.9
≥ 200		83.1	86.3	87.9	89.5	89.5	91.1	91.1	91.1	91.1	91.1	91.1	91.9
≥ 100		83.1	86.3	87.9	89.5	89.5	91.1	91.1	91.1	91.1	91.1	91.1	91.9
0		83.1	86.3	87.9	89.5	89.5	91.1	91.1	91.1	91.1	91.1	91.1	91.9

TOTAL NUMBER OF OBSERVATIONS

124

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-77

YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	5.8	43.4	44.7	45.4	46.0	46.1	46.4	46.7	46.7	46.8	46.8	46.8	46.8	46.8
≥ 20000	10.1	49.7	51.3	52.0	52.7	52.8	53.2	53.5	53.5	53.6	53.6	53.6	53.6	53.6
≥ 18000	10.1	49.8	51.4	52.1	52.8	52.9	53.3	53.6	53.6	53.7	53.7	53.7	53.7	53.7
≥ 16000	10.2	49.9	51.4	52.2	52.8	53.0	53.4	53.7	53.7	53.8	53.8	53.8	53.8	53.8
≥ 14000	10.2	50.2	51.8	52.6	53.2	53.4	53.8	54.1	54.1	54.2	54.2	54.2	54.2	54.2
≥ 12000	10.6	52.1	53.7	54.5	55.2	55.4	55.7	56.0	56.0	56.1	56.1	56.1	56.1	56.1
≥ 10000	11.4	56.2	57.8	58.6	59.4	59.6	59.9	60.2	60.2	60.3	60.3	60.3	60.3	60.3
≥ 9000	11.4	56.3	57.9	58.7	59.5	59.7	60.0	60.3	60.3	60.4	60.4	60.4	60.4	60.4
≥ 8000	12.2	61.3	63.1	63.9	65.1	65.2	65.6	65.9	65.9	66.0	66.0	66.0	66.0	66.0
≥ 7000	12.5	62.4	64.1	65.0	66.2	66.4	66.7	67.0	67.0	67.1	67.1	67.1	67.1	67.1
≥ 6000	12.6	62.5	64.3	65.3	66.5	66.7	67.1	67.4	67.4	67.5	67.5	67.5	67.5	67.5
≥ 5000	12.9	65.0	67.2	68.3	69.7	69.9	70.3	70.6	70.6	70.7	70.7	70.7	70.7	70.7
≥ 4500	13.0	66.1	68.4	69.6	71.0	71.2	71.6	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 4000	13.1	69.4	72.0	73.4	74.9	75.1	75.6	76.0	76.0	76.1	76.1	76.1	76.1	76.1
≥ 3500	13.4	70.8	73.6	74.9	76.9	77.1	77.5	77.9	77.9	78.0	78.0	78.0	78.0	78.0
≥ 3000	14.1	74.5	77.6	79.1	81.1	81.5	81.9	82.4	82.4	82.5	82.5	82.5	82.5	82.5
≥ 2500	14.2	75.3	78.7	80.2	82.3	82.7	83.1	83.5	83.6	83.7	83.7	83.7	83.7	83.7
≥ 2000	14.4	76.3	79.8	81.3	83.4	83.9	84.4	85.0	85.0	85.1	85.1	85.1	85.1	85.1
≥ 1800	14.5	76.4	79.9	81.4	83.5	84.0	84.5	85.1	85.1	85.2	85.2	85.3	85.3	85.3
≥ 1500	14.5	77.1	81.0	82.8	85.2	85.9	86.6	87.1	87.1	87.2	87.3	87.4	87.4	87.4
≥ 1200	14.5	77.4	81.5	83.5	86.0	86.9	87.6	88.2	88.2	88.3	88.4	88.4	88.4	88.4
≥ 1000	14.5	77.9	82.2	84.3	87.1	88.4	89.4	89.9	89.9	90.2	90.6	90.6	90.7	90.7
≥ 900	14.5	78.3	82.6	84.6	87.7	88.9	89.9	90.6	90.6	90.9	91.2	91.2	91.3	91.3
≥ 800	14.5	78.5	82.8	85.0	88.5	89.8	91.0	91.6	91.6	91.9	92.3	92.3	92.4	92.4
≥ 700	14.5	78.8	83.2	85.6	89.2	90.7	91.8	92.5	92.5	93.0	93.4	93.5	93.7	93.8
≥ 600	14.5	78.9	83.5	86.0	89.8	91.2	92.5	93.5	93.5	94.0	94.4	94.5	94.7	94.8
≥ 500	14.5	79.0	83.6	86.2	90.0	91.6	93.3	94.4	94.4	95.1	95.4	95.5	95.7	95.9
≥ 400	14.5	79.1	83.7	86.4	90.3	91.9	93.7	94.9	95.0	95.8	96.3	96.4	96.6	96.7
≥ 300	14.5	79.1	83.7	86.4	90.4	92.0	93.9	95.3	95.3	96.3	96.8	97.0	97.2	97.4
≥ 200	14.5	79.1	83.7	86.4	90.5	92.2	94.2	95.6	95.9	96.8	97.7	98.0	98.3	98.5
≥ 100	14.5	79.1	83.7	86.4	90.5	92.2	94.2	95.8	95.9	96.8	97.7	97.8	98.0	98.6
0	14.5	79.1	83.7	86.4	90.5	92.2	94.2	95.8	95.9	96.8	97.7	97.8	98.5	98.8

TOTAL NUMBER OF OBSERVATIONS

1073

CEILING VERSUS VISIBILITY

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-76

YEAR

FEB
MONTH

01
HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING	5.3	54.0	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 20000	5.3	62.8	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 18000	5.3	62.8	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 16000	5.3	62.8	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 14000	5.3	62.8	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 12000	5.3	63.7	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 10000	6.2	70.8	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 9000	6.2	70.8	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 8000	7.1	75.2	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 7000	7.1	77.0	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
≥ 6000	7.1	77.0	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
≥ 5000	7.1	78.8	80.5	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 4500	7.1	78.8	80.5	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 4000	7.1	78.8	81.4	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 3500	7.1	78.8	81.4	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 3000	7.1	81.4	85.8	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 2500	7.1	82.3	86.7	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 2000	7.1	83.2	87.6	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 1800	7.1	83.2	87.6	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 1500	7.1	83.2	87.6	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 1200	7.1	83.2	88.5	90.3	90.3	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 1000	7.1	83.2	88.5	90.3	90.3	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 900	7.1	83.2	88.5	90.3	90.3	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 800	7.1	83.2	89.4	91.2	91.2	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 700	7.1	83.2	89.4	91.2	91.2	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 600	7.1	83.2	89.4	91.2	91.2	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 500	7.1	83.2	89.4	91.2	91.2	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 400	7.1	83.2	89.4	91.2	91.2	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 300	7.1	83.2	89.4	91.2	91.2	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 200	7.1	83.2	89.4	91.2	91.2	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 100	7.1	83.2	89.4	91.2	91.2	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
0	7.1	83.2	89.4	91.2	91.2	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0

TOTAL NUMBER OF OBSERVATIONS

113

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

13773
STATION

QUANTICO, VIRGINIA

STATION NAME

73-76

YEARS

FEB

MONTH

04

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	4.4	50.4	54.0	54.9	54.9	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
≥ 20000	4.4	62.0	65.5	66.4	66.4	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 18000	4.4	62.0	65.5	66.4	66.4	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 16000	4.4	62.0	65.5	66.4	66.4	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 14000	4.4	62.0	65.5	66.4	66.4	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 12000	4.4	62.8	66.4	67.3	67.3	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 10000	4.4	65.5	69.0	69.9	69.9	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
≥ 9000	4.4	65.5	69.0	69.9	69.9	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
≥ 8000	5.3	69.9	73.5	74.3	74.3	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 7000	5.3	70.8	74.3	75.2	75.2	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 6000	6.2	71.7	75.2	76.1	76.1	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 5000	6.2	73.5	77.9	78.8	79.7	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
≥ 4500	6.2	73.5	77.9	78.8	79.7	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
≥ 4000	6.2	74.3	78.8	79.7	80.5	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 3500	6.2	75.2	79.7	81.4	82.3	83.2	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 3000	6.2	76.1	80.5	82.3	83.2	84.1	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 2500	6.2	77.0	81.4	83.2	85.0	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 2000	6.2	77.9	82.3	85.0	86.7	87.6	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥ 1800	6.2	77.9	82.3	85.0	86.7	87.6	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥ 1500	6.2	77.9	82.3	85.0	86.7	87.6	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥ 1200	6.2	77.9	82.3	85.0	86.7	87.6	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥ 1000	6.2	79.7	84.1	85.7	89.4	90.3	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 900	6.2	79.7	84.1	86.7	89.4	90.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 800	6.2	79.7	84.1	86.7	89.4	90.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 700	6.2	79.7	84.1	87.6	90.3	91.2	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 600	6.2	79.7	84.1	87.6	90.3	91.2	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 500	6.2	79.7	84.1	87.6	90.3	91.2	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 400	6.2	79.7	84.1	87.6	90.3	91.2	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 300	6.2	79.7	84.1	87.6	90.3	91.2	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 200	6.2	79.7	84.1	87.6	90.3	91.2	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 100	6.2	79.7	84.1	87.6	90.3	91.2	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 0	6.2	79.7	84.1	87.6	90.3	91.2	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8

TOTAL NUMBER OF OBSERVATIONS

113

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

13773

QUANTICO, VIRGINIA

73-77

YEARS

FEB

STATION NAME

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

07

HOURS (L. E. T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	23.3	50.0	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
≥ 20000	24.1	54.3	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 18000	24.1	54.3	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 16000	24.1	54.3	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 14000	24.1	56.0	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
≥ 12000	24.1	57.8	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
≥ 10000	25.0	62.1	63.8	63.8	63.8	63.8	64.7	64.7	64.7	64.7	64.7
≥ 9000	25.0	62.1	63.8	63.8	63.8	63.8	64.7	64.7	64.7	64.7	64.7
≥ 8000	25.9	69.8	71.6	71.6	71.6	71.6	72.4	72.4	72.4	72.4	72.4
≥ 7000	25.9	69.8	71.6	71.6	71.6	71.6	72.4	72.4	72.4	72.4	72.4
≥ 6000	25.9	70.7	72.4	72.4	72.4	72.4	73.3	73.3	73.3	73.3	73.3
≥ 5000	25.7	73.3	75.0	75.0	75.0	75.0	75.9	75.9	75.9	75.9	75.9
≥ 4500	26.7	73.3	75.0	75.0	75.0	75.0	75.9	75.9	75.9	75.9	75.9
≥ 4000	26.7	75.0	76.7	76.7	76.7	76.7	79.3	79.3	79.3	79.3	79.3
≥ 3500	27.6	77.6	79.3	79.3	79.3	79.3	81.9	81.9	81.9	81.9	81.9
≥ 3000	27.6	80.2	81.9	81.9	81.9	81.9	85.3	85.3	85.3	85.3	85.3
≥ 2500	27.6	81.9	83.6	83.6	83.6	83.6	86.2	86.2	86.2	86.2	86.2
≥ 2000	27.6	82.8	84.5	84.5	84.5	84.5	87.1	87.1	87.1	87.1	87.1
≥ 1800	27.6	82.8	84.5	84.5	84.5	84.5	87.1	87.1	87.1	87.1	87.1
≥ 1500	27.6	83.6	85.3	85.3	85.3	85.3	87.1	87.1	87.1	87.1	87.1
≥ 1200	27.6	84.5	86.2	86.2	86.2	86.2	87.1	87.1	87.1	87.1	87.1
≥ 1000	27.6	85.3	87.1	87.1	87.1	87.1	88.8	88.8	88.8	88.8	88.8
≥ 900	27.6	85.3	87.1	87.1	87.1	87.1	88.8	88.8	88.8	88.8	88.8
≥ 800	27.6	86.2	87.9	87.9	87.9	87.9	89.7	89.7	89.7	89.7	89.7
≥ 700	27.6	86.2	87.9	87.9	87.9	87.9	89.7	89.7	89.7	89.7	89.7
≥ 600	27.6	86.2	87.9	87.9	87.9	87.9	89.7	89.7	89.7	89.7	89.7
≥ 500	27.6	86.2	87.9	87.9	87.9	87.9	89.7	89.7	89.7	89.7	89.7
≥ 400	27.6	86.2	87.9	87.9	87.9	87.9	89.7	89.7	89.7	89.7	89.7
≥ 300	27.6	86.2	87.9	87.9	87.9	87.9	89.7	89.7	89.7	89.7	89.7
≥ 200	27.6	86.2	87.9	87.9	87.9	87.9	89.7	89.7	89.7	89.7	89.7
≥ 100	27.6	86.2	87.9	87.9	87.9	87.9	89.7	89.7	89.7	89.7	89.7
≥ 0	27.6	86.2	87.9	87.9	87.9	87.9	89.7	89.7	89.7	89.7	89.7

TOTAL NUMBER OF OBSERVATIONS

116

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-77

YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	23.5	46.2	47.7	47.7	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
≥ 20000	28.8	56.1	57.6	57.6	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 18000	28.8	56.1	57.6	57.6	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 16000	28.8	56.1	57.6	57.6	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 14000	29.6	58.3	59.9	59.9	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
≥ 12000	31.1	61.4	62.9	62.9	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥ 10000	31.8	65.2	66.7	66.7	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 9000	31.8	65.2	66.7	66.7	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 8000	32.6	69.7	72.0	72.0	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 7000	34.9	72.0	74.2	74.2	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 6000	35.6	72.7	75.0	75.0	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 5000	37.1	74.2	76.5	76.5	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 4500	37.1	75.0	77.3	77.3	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 4000	39.4	78.0	80.3	80.3	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
≥ 3500	39.4	79.6	81.8	81.8	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 3000	39.4	81.1	83.3	83.3	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 2500	39.4	81.1	83.3	83.3	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 2000	39.4	81.1	83.3	83.3	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 1800	39.4	81.1	83.3	83.3	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 1500	39.4	82.6	84.9	84.9	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
≥ 1200	39.4	84.1	86.4	86.4	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 1000	39.4	84.1	86.4	86.4	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 900	39.4	84.1	86.4	87.1	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 800	39.4	84.9	87.1	87.9	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 700	39.4	84.9	87.1	87.9	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 600	39.4	84.9	87.1	87.9	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 500	39.4	85.6	87.9	88.6	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 400	39.4	85.6	87.9	88.6	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 300	39.4	85.6	87.9	88.6	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 200	39.4	85.6	87.9	88.6	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 100	39.4	85.6	87.9	88.6	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 0	39.4	85.6	87.9	88.6	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2

TOTAL NUMBER OF OBSERVATIONS

132

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

13773 STATION

QUANTICO, VIRGINIA

73-77

YEARS

MONTH

MONTH

13

MOVIES (L.S.T.)

**PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

CEILING (FEET)		VISIBILITY (STATUTE MILES)														
		≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		31.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
≥ 20000		37.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
18000	AI	37.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
16000	AI	37.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
14000	AI	36.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
12000	AI	39.4	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
10000	AI	40.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
9000	AI	40.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
8000	AI	43.9	74.2	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
7000	AI	43.9	74.2	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
6000	AI	44.7	75.0	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
5000	AI	45.5	77.3	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
4500	AI	46.2	78.0	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
4000	AI	46.2	80.3	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
3500	AI	46.2	81.8	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
3000	AI	47.7	83.3	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
2500	AI	47.7	84.1	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
2000	AI	47.7	84.9	85.6	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
1800	AI	47.7	84.9	85.6	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
1500	AI	47.7	86.4	87.1	87.9	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
1200	AI	47.7	86.4	87.1	88.6	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
1000	AI	48.5	87.9	88.6	90.2	90.9	92.4	93.2	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
900	AI	48.5	88.6	89.4	90.9	91.7	93.2	93.9	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
800	AI	48.5	88.6	89.4	90.9	91.7	93.2	93.9	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
700	AI	48.5	88.6	90.2	91.7	92.4	93.9	95.5	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
600	AI	48.5	88.6	90.2	91.7	92.4	93.9	95.5	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
500	AI	48.5	88.6	90.2	91.7	92.4	93.9	95.5	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
400	AI	48.5	88.6	90.2	91.7	92.4	93.9	96.2	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
300	AI	48.5	88.6	90.2	91.7	92.4	93.9	96.2	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
200	AI	48.5	88.6	90.2	91.7	92.4	93.9	96.2	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
100	AI	48.5	88.6	90.2	91.7	92.4	93.9	96.2	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
0	AI	48.5	88.6	90.2	91.7	92.4	93.9	96.2	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7

TOTAL NUMBER OF OBSERVATIONS

132

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-77

YEARS

FEB
MONTH

16
HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	33.9	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
≥ 20000	40.8	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 18000	40.8	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 16000	40.8	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 14000	40.8	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 12000	43.1	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 10000	45.4	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 9000	45.4	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 8000	46.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 7000	46.9	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
≥ 6000	47.7	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 5000	49.2	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
≥ 4500	49.2	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
≥ 4000	50.0	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 3500	51.5	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 3000	53.9	83.1	83.9	84.6	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
≥ 2500	53.9	83.1	83.9	84.6	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
≥ 2000	53.9	83.9	84.6	85.4	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
≥ 1800	53.9	83.9	84.6	85.4	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
≥ 1600	53.9	84.6	86.2	86.9	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 1500	53.9	85.4	87.7	88.5	90.8	90.8	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 1200	53.9	86.2	88.5	90.0	92.3	92.3	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 1000	53.9	86.2	88.5	90.0	92.3	92.3	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 900	53.9	86.2	88.5	90.0	92.3	92.3	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 800	53.9	86.2	88.5	90.0	92.3	93.1	93.9	93.9	93.9	93.9	93.9	93.9	94.6	94.6
≥ 700	53.9	86.2	88.5	90.8	93.9	94.6	96.2	96.2	96.2	96.2	96.9	96.9	97.7	98.5
≥ 600	53.9	86.2	88.5	90.8	93.9	94.6	96.2	96.2	96.2	96.9	97.7	97.7	98.5	99.2
≥ 500	53.9	86.2	88.5	90.8	93.9	94.6	96.2	96.2	96.9	96.9	97.7	97.7	99.2	99.2
≥ 400	53.9	86.2	88.5	90.8	93.9	94.6	96.2	96.2	96.9	96.9	97.7	97.7	99.2	99.2
≥ 300	53.9	86.2	88.5	90.8	93.9	94.6	96.2	96.2	96.9	96.9	97.7	97.7	99.2	99.2
≥ 200	53.9	86.2	88.5	90.8	93.9	94.6	96.2	96.2	96.9	96.9	97.7	97.7	99.2	99.2
≥ 100	53.9	86.2	88.5	90.8	93.9	94.6	96.2	96.2	96.9	96.9	97.7	97.7	99.2	99.2
0	53.9	86.2	88.5	90.8	93.9	94.6	96.2	96.2	96.9	96.9	97.7	97.7	99.2	99.2

TOTAL NUMBER OF OBSERVATIONS

130

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-77

YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

19
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING	12.8	49.6	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
≥ 20000	15.4	58.1	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 18000	15.4	58.1	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 16000	15.4	58.1	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 14000	15.4	58.1	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 12000	15.4	61.5	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 10000	17.1	67.5	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 9000	17.1	67.5	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 8000	18.8	70.9	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
≥ 7000	18.8	71.8	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 6000	18.8	72.7	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
≥ 5000	18.8	72.7	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
≥ 4500	18.8	75.2	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 4000	18.8	76.1	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 3500	18.8	76.1	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 3000	19.7	79.5	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 2500	20.5	81.2	83.8	83.8	83.8	83.8	84.6	84.6	84.6	84.6	84.6	84.6
≥ 2000	20.5	81.2	84.6	86.3	86.3	87.2	88.0	88.0	88.0	88.0	88.0	88.0
≥ 1800	20.5	81.2	84.6	86.3	86.3	87.2	88.0	88.0	88.0	88.0	88.0	88.0
≥ 1500	20.5	81.2	85.5	87.2	87.2	88.9	89.7	89.7	89.7	89.7	89.7	89.7
≥ 1200	20.5	81.2	85.5	87.2	87.2	88.9	89.7	89.7	89.7	89.7	89.7	89.7
≥ 1000	20.5	82.1	86.3	88.0	88.0	89.7	91.5	91.5	91.5	91.5	91.5	91.5
≥ 900	20.5	82.1	86.3	88.0	88.0	89.7	91.5	91.5	91.5	91.5	91.5	91.5
≥ 800	20.5	82.1	88.0	89.7	89.7	91.5	93.2	93.2	93.2	93.2	93.2	93.2
≥ 700	20.5	82.1	88.0	89.7	89.7	91.5	93.2	93.2	93.2	93.2	93.2	93.2
≥ 600	20.5	82.1	88.0	90.6	90.6	92.3	94.0	94.0	94.0	94.0	94.0	94.0
≥ 500	20.5	82.1	88.0	90.6	91.5	93.2	94.9	95.7	96.6	96.6	96.6	96.6
≥ 400	20.5	82.1	88.0	90.6	91.5	93.2	94.9	95.7	96.6	96.6	96.6	96.6
≥ 300	20.5	82.1	88.0	90.6	91.5	93.2	94.9	95.7	96.6	96.6	96.6	96.6
≥ 200	20.5	82.1	88.0	90.6	91.5	93.2	94.9	95.7	96.6	96.6	96.6	96.6
≥ 100	20.5	82.1	88.0	90.6	91.5	93.2	94.9	95.7	96.6	96.6	96.6	96.6
0	20.5	82.1	88.0	90.6	91.5	93.2	94.9	95.7	96.6	96.6	96.6	96.6

TOTAL NUMBER OF OBSERVATIONS

117

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-76

YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

22
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16	≥ ¼	≥ 0
NO CEILING	6.2	56.6	57.5	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 20000	6.2	61.1	62.8	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 18000	6.2	61.1	62.8	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 16000	6.2	61.1	62.8	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 14000	6.2	61.1	62.8	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 12000	6.2	62.8	64.6	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 10000	8.0	69.0	70.8	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 9000	8.0	69.9	71.7	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
8000	8.9	73.5	75.2	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
7000	8.9	73.5	75.2	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
6000	8.9	74.3	76.1	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
5000	8.9	76.1	77.9	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
4500	8.9	76.1	77.9	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
4000	8.9	78.8	80.5	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
3500	8.9	79.7	81.4	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
3000	8.9	81.4	83.2	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
2500	8.9	83.2	85.0	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
2000	8.9	83.2	85.0	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
1800	8.9	84.1	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
1500	8.9	84.1	87.6	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
1200	8.9	84.1	87.6	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
1000	8.9	84.1	87.6	89.4	90.3	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
900	8.9	84.1	88.5	90.3	92.0	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
800	8.9	84.1	88.5	90.3	92.0	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
700	8.9	84.1	88.5	90.3	92.0	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
600	8.9	84.1	88.5	91.2	92.9	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
500	8.9	84.1	88.5	91.2	92.9	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
400	8.9	84.1	88.5	91.2	92.9	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
300	8.9	84.1	88.5	91.2	92.9	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
200	8.9	84.1	88.5	91.2	92.9	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
100	8.9	84.1	88.5	91.2	92.9	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
0	8.9	84.1	88.5	91.2	92.9	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7

TOTAL NUMBER OF OBSERVATIONS

113

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

13773

QUANTICO, VIRGINIA

73-77

FEB

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	18.3	50.7	51.8	52.0	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
≥ 20000	21.2	59.3	60.6	60.8	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 18000	21.2	59.3	60.6	60.8	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 16000	21.2	59.3	60.6	60.8	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 14000	21.4	59.9	61.2	61.4	61.5	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
≥ 12000	22.1	62.3	63.6	63.8	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 10000	23.3	67.1	68.4	68.6	68.7	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
≥ 9000	23.3	67.2	68.5	68.7	68.8	68.9	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
≥ 8000	24.6	71.6	73.2	73.4	73.5	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 7000	25.0	72.6	74.1	74.3	74.4	74.5	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 6000	25.4	73.2	74.7	75.0	75.1	75.2	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
≥ 5000	26.0	75.2	76.8	77.1	77.3	77.4	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
≥ 4500	26.1	75.7	77.3	77.6	77.9	78.0	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
≥ 4000	26.5	77.2	79.0	79.3	79.8	79.9	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥ 3500	26.8	78.4	80.1	80.5	81.1	81.2	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
≥ 3000	27.4	80.9	83.1	83.6	84.3	84.5	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 2500	27.5	81.8	84.1	84.6	85.3	85.5	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 2000	27.5	82.3	84.7	85.7	86.5	86.9	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5
≥ 1800	27.5	82.3	84.8	85.8	86.7	87.0	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 1500	27.5	83.0	85.8	86.9	88.0	88.5	89.0	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 1200	27.5	83.4	86.4	87.7	88.8	89.3	90.2	90.6	90.6	90.6	90.6	90.6	90.6	90.6
≥ 1000	27.6	84.2	87.2	88.5	89.6	90.9	91.7	92.1	92.1	92.1	92.1	92.1	92.1	92.1
≥ 900	27.6	84.3	87.4	88.8	90.2	91.3	92.2	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 800	27.6	84.5	87.9	89.3	90.7	92.0	93.0	93.4	93.4	93.5	93.6	93.6	93.6	93.6
≥ 700	27.6	84.5	88.0	89.7	91.1	92.6	93.8	94.3	94.3	94.4	94.6	94.6	94.6	94.6
≥ 600	27.6	84.5	88.0	89.9	91.3	92.8	94.0	94.6	94.6	94.9	95.2	95.5	95.8	95.9
≥ 500	27.6	84.6	88.1	90.0	91.5	93.1	94.4	95.1	95.2	96.0	96.6	96.9	97.3	97.5
≥ 400	27.6	84.6	88.1	90.0	91.5	93.1	94.5	95.3	95.5	96.4	97.1	97.3	97.5	97.9
≥ 300	27.6	84.6	88.1	90.0	91.5	93.2	94.6	95.5	95.6	96.5	97.4	97.6	97.8	98.3
≥ 200	27.6	84.6	88.1	90.0	91.5	93.2	94.6	95.5	95.6	96.5	97.5	97.7	97.9	98.5
≥ 100	27.6	84.6	88.1	90.0	91.5	93.2	94.6	95.5	95.6	96.5	97.5	97.7	97.9	98.5
0	27.6	84.6	88.1	90.0	91.5	93.2	94.6	95.5	95.6	96.5	97.5	97.7	97.9	98.5

TOTAL NUMBER OF OBSERVATIONS 966

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-76

YEAR

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

01
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ 5/16
NO CEILING	7.4	45.1	45.9	45.9	46.7	47.5	47.5	47.5	47.5	47.5	47.5
≥ 20000	8.2	52.5	53.3	53.3	54.1	54.9	54.9	54.9	54.9	54.9	54.9
≥ 18000	6.2	53.3	54.1	54.1	54.9	55.7	55.7	55.7	55.7	55.7	55.7
≥ 16000	8.2	53.3	54.1	54.1	54.9	55.7	55.7	55.7	55.7	55.7	55.7
≥ 14000	8.2	54.1	54.9	54.9	55.7	56.6	56.6	56.6	56.6	56.6	56.6
≥ 12000	6.2	54.1	54.9	54.9	55.7	56.6	56.6	56.6	56.6	56.6	56.6
≥ 10000	8.2	59.8	60.7	60.7	61.5	62.3	62.3	62.3	62.3	62.3	62.3
≥ 9000	9.0	60.7	61.5	61.5	62.3	63.1	63.1	63.1	63.1	63.1	63.1
≥ 8000	9.0	62.3	63.1	63.1	63.9	64.8	64.8	64.8	64.8	64.8	64.8
≥ 7000	9.0	63.9	64.8	64.8	65.6	66.4	66.4	66.4	66.4	66.4	66.4
≥ 6000	9.0	63.9	64.8	64.8	65.6	66.4	66.4	66.4	66.4	66.4	66.4
≥ 5000	9.8	67.2	68.0	68.0	69.7	71.3	71.3	71.3	71.3	71.3	71.3
≥ 4500	10.7	68.9	69.7	69.7	72.1	73.8	73.8	73.8	73.8	73.8	73.8
≥ 4000	10.7	69.7	72.1	72.1	74.6	76.2	76.2	76.2	76.2	76.2	76.2
≥ 3500	10.7	69.7	72.1	73.0	75.4	77.1	77.1	77.1	77.1	77.1	77.1
≥ 3000	10.7	71.3	73.8	74.6	77.1	78.7	79.5	79.5	79.5	79.5	79.5
≥ 2500	10.7	72.1	74.6	75.4	77.9	79.5	80.3	80.3	80.3	80.3	80.3
≥ 2000	10.7	72.1	75.4	76.2	79.5	81.2	82.0	82.8	82.8	82.8	82.8
≥ 1800	10.7	73.0	76.2	77.1	81.2	82.8	83.6	84.4	84.4	84.4	84.4
≥ 1500	10.7	73.8	77.1	77.9	83.6	85.3	86.1	86.9	86.9	86.9	86.9
≥ 1200	10.7	73.8	77.1	77.9	84.4	86.1	86.9	88.5	88.5	88.5	88.5
≥ 1000	10.7	74.6	78.7	79.5	86.1	87.7	90.2	91.8	91.8	91.8	91.8
≥ 900	10.7	74.6	78.7	79.5	86.1	87.7	90.2	91.8	91.8	91.8	91.8
≥ 800	10.7	74.6	78.7	79.5	86.9	88.5	91.0	92.6	92.6	92.6	92.6
≥ 700	10.7	74.6	79.5	80.3	87.7	89.3	91.8	93.4	93.4	93.4	93.4
≥ 600	10.7	74.6	79.5	80.3	87.7	89.3	91.8	93.4	93.4	93.4	93.4
≥ 500	10.7	75.4	80.3	81.2	88.5	90.2	92.6	95.1	95.1	95.1	95.1
≥ 400	10.7	75.4	80.3	81.2	88.5	90.2	93.4	95.9	95.9	95.9	95.9
≥ 300	10.7	75.4	80.3	81.2	88.5	90.2	93.4	95.9	95.9	95.9	95.9
≥ 200	10.7	76.2	81.2	82.0	89.3	91.0	94.3	96.7	96.7	96.7	96.7
≥ 100	10.7	76.2	81.2	82.0	89.3	91.0	95.1	97.5	97.5	97.5	97.5
0	10.7	76.2	81.2	82.0	89.3	91.0	95.1	97.5	97.5	97.5	97.5

TOTAL NUMBER OF OBSERVATIONS

122

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-76
YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

04
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	4.0	40.3	41.9	43.6	44.4	44.4	44.4	44.4	44.4	45.2	45.2	45.2	45.2	45.2
≥ 20000	4.0	48.4	50.0	51.6	52.4	52.4	53.2	53.2	53.2	54.0	54.0	54.0	54.0	54.0
≥ 18000	4.0	49.2	50.8	52.4	53.2	53.2	54.0	54.0	54.0	54.8	54.8	54.8	54.8	54.8
≥ 16000	4.0	49.2	50.8	52.4	53.2	53.2	54.0	54.0	54.0	54.8	54.8	54.8	54.8	54.8
≥ 14000	4.0	50.0	51.6	53.2	54.0	54.0	54.8	54.8	54.8	55.7	55.7	55.7	55.7	55.7
≥ 12000	4.0	50.0	51.6	53.2	54.0	54.0	54.8	54.8	54.8	55.7	55.7	55.7	55.7	55.7
≥ 10000	4.0	53.2	56.5	58.1	58.9	58.9	59.7	59.7	59.7	60.5	60.5	60.5	60.5	60.5
≥ 9000	4.8	54.0	57.3	58.9	59.7	59.7	60.5	60.5	60.5	61.3	61.3	61.3	61.3	61.3
≥ 8000	6.5	59.7	62.9	64.5	65.3	65.3	66.1	66.1	66.1	66.9	66.9	66.9	66.9	66.9
≥ 7000	6.5	59.7	62.9	64.5	65.3	65.3	66.1	66.1	66.1	66.9	66.9	66.9	66.9	66.9
≥ 6000	6.5	59.7	62.9	64.5	65.3	65.3	66.1	66.1	66.1	66.9	66.9	66.9	66.9	66.9
≥ 5000	6.5	62.1	65.3	66.9	68.6	68.6	69.4	69.4	69.4	70.2	70.2	70.2	70.2	70.2
≥ 4500	6.5	64.5	67.7	69.4	71.0	71.0	71.8	71.8	71.8	72.6	72.6	72.6	72.6	72.6
≥ 4000	7.3	66.1	70.2	73.4	75.0	75.0	75.8	75.8	75.8	76.6	76.6	76.6	76.6	76.6
≥ 3500	7.3	66.1	70.2	73.4	75.0	75.0	75.8	75.8	75.8	76.6	76.6	76.6	76.6	76.6
≥ 3000	7.3	66.9	71.0	74.2	75.8	75.8	76.6	76.6	76.6	77.4	77.4	77.4	77.4	77.4
≥ 2500	7.3	66.9	71.0	75.8	77.4	77.4	78.2	78.2	78.2	79.0	79.0	79.0	79.0	79.0
≥ 2000	7.3	67.7	72.6	77.4	79.8	79.8	81.5	81.5	81.5	82.3	82.3	82.3	82.3	82.3
≥ 1800	7.3	67.7	72.6	77.4	79.8	79.8	81.5	81.5	81.5	82.3	82.3	82.3	82.3	82.3
≥ 1500	7.3	67.7	72.6	77.4	79.8	79.8	81.5	81.5	81.5	82.3	82.3	82.3	82.3	82.3
≥ 1200	7.3	68.6	73.4	78.2	80.7	80.7	82.3	82.3	82.3	83.1	83.1	83.1	83.1	83.1
≥ 1000	7.3	69.4	74.2	80.7	83.9	83.9	85.5	85.5	85.5	86.3	86.3	86.3	86.3	86.3
≥ 900	7.3	69.4	74.2	80.7	83.9	83.9	85.5	85.5	85.5	86.3	86.3	86.3	86.3	86.3
≥ 800	7.3	70.2	75.0	81.5	85.5	85.5	87.1	87.1	87.1	87.9	87.9	87.9	87.9	87.9
≥ 700	7.3	70.2	75.0	81.5	85.5	85.5	87.1	87.1	87.1	87.9	87.9	87.9	87.9	87.9
≥ 600	7.3	70.2	75.0	81.5	85.5	85.5	87.1	87.1	87.1	87.9	87.9	87.9	87.9	87.9
≥ 500	7.3	71.0	75.8	82.3	87.1	87.1	89.5	89.5	89.5	90.3	90.3	90.3	90.3	90.3
≥ 400	7.3	71.0	75.8	82.3	87.9	87.9	91.1	91.1	91.1	91.9	91.9	91.9	91.9	91.9
≥ 300	7.3	71.0	75.8	83.1	88.7	88.7	92.7	92.7	92.7	93.6	93.6	93.6	93.6	93.6
≥ 200	7.3	71.0	75.8	83.1	88.7	88.7	92.7	92.7	92.7	93.6	93.6	93.6	93.6	93.6
≥ 100	7.3	71.0	75.8	83.1	88.7	88.7	92.7	92.7	92.7	93.6	93.6	93.6	93.6	93.6
0	7.3	71.0	75.8	83.1	88.7	88.7	92.7	92.7	92.7	93.6	93.6	93.6	93.6	93.6

TOTAL NUMBER OF OBSERVATIONS 124

AD-A063 834

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE N C

F/G 4/2

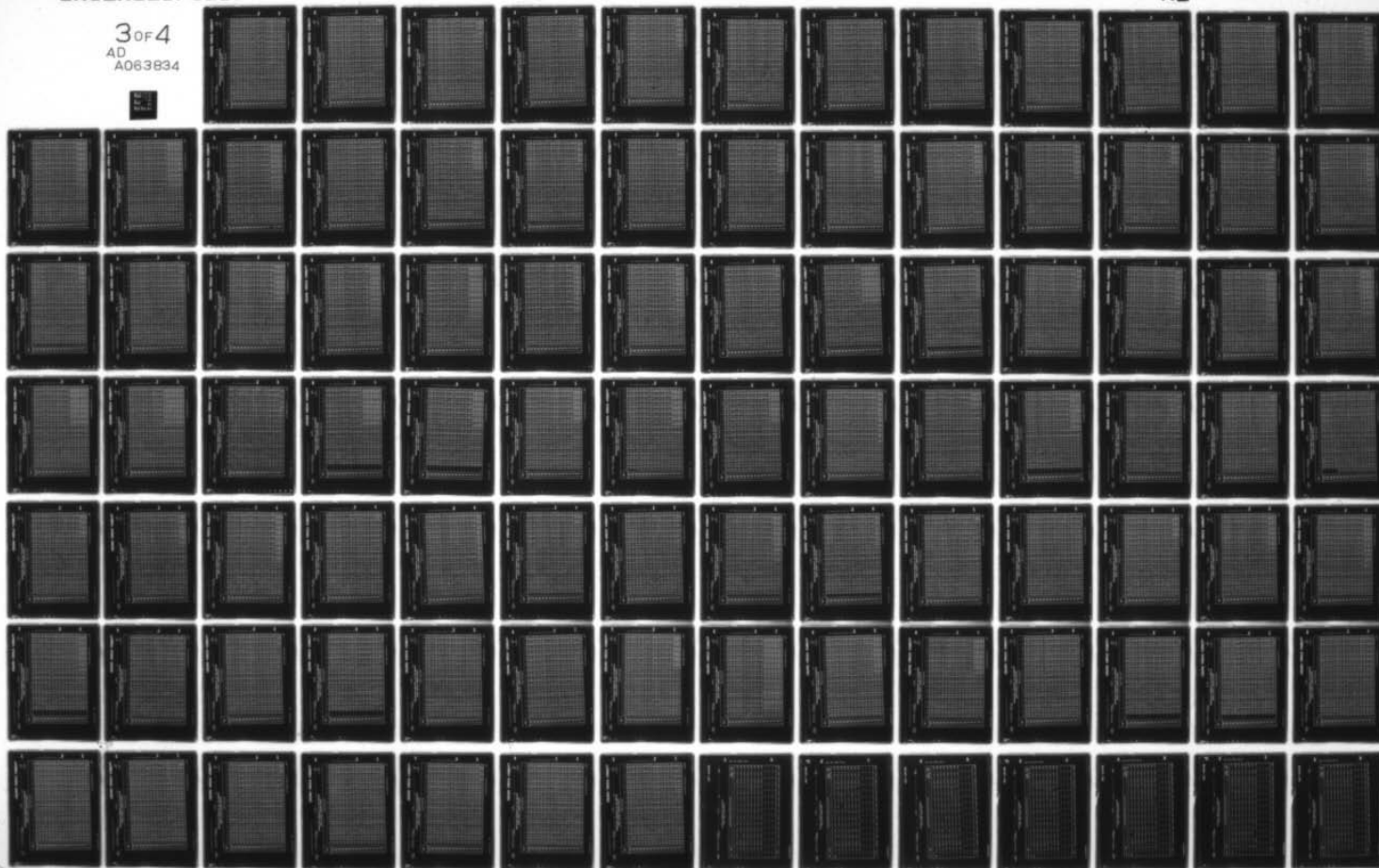
SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE (SMOS), QUANTIC--ETC(U)
JUL 78

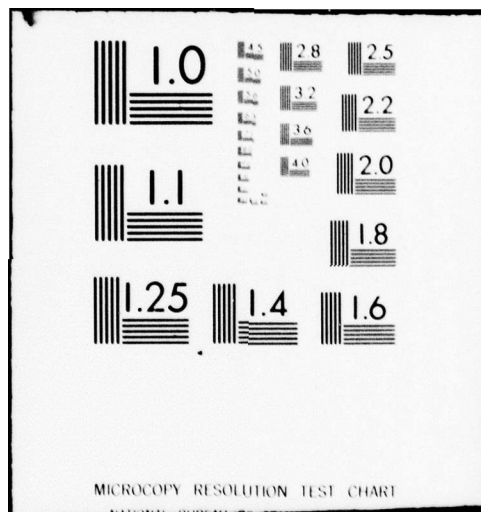
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3 of 4
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12





CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-77

YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

07
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	20.0	33.6	34.4	36.0	38.4	39.2	39.2	39.2	39.2	39.2	39.2	39.2
≥ 20000	24.0	38.4	39.2	40.8	43.2	44.0	44.0	44.0	44.0	44.0	44.0	44.0
≥ 18000	24.8	39.2	40.0	41.6	44.0	44.8	44.8	44.8	44.8	44.8	44.8	44.8
≥ 16000	24.8	39.2	40.0	41.6	44.0	44.8	44.8	44.8	44.8	44.8	44.8	44.8
≥ 14000	24.8	39.2	40.0	41.6	44.0	44.8	44.8	44.8	44.8	44.8	44.8	44.8
≥ 12000	24.8	40.8	41.6	43.2	45.6	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 10000	28.8	46.4	47.2	48.8	51.2	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 9000	29.6	47.2	48.0	50.4	52.8	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 8000	31.2	52.0	53.6	56.0	58.4	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 7000	32.0	53.6	55.2	57.6	60.0	60.8	60.8	60.8	60.8	60.8	60.8	60.8
≥ 6000	32.0	54.4	56.0	58.4	60.8	61.6	61.6	61.6	61.6	61.6	61.6	61.6
≥ 5000	32.0	56.8	58.4	60.8	64.0	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥ 4500	32.0	56.8	58.4	60.8	64.0	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥ 4000	33.6	60.8	62.4	64.8	68.8	69.6	69.6	69.6	69.6	69.6	69.6	69.6
≥ 3500	34.4	62.4	64.0	66.4	70.4	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥ 3000	34.4	63.2	64.8	67.2	72.0	72.8	72.8	72.8	72.8	72.8	72.8	72.8
≥ 2500	35.2	64.8	66.4	68.8	74.4	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 2000	35.2	65.6	67.2	69.6	76.0	77.6	77.6	77.6	77.6	77.6	77.6	77.6
≥ 1800	35.2	65.6	67.2	69.6	76.0	77.6	77.6	77.6	77.6	77.6	77.6	77.6
≥ 1500	35.2	67.2	68.8	71.2	77.6	79.2	79.2	79.2	79.2	79.2	79.2	79.2
≥ 1200	35.2	68.0	69.6	72.0	78.4	80.0	80.8	81.6	81.6	81.6	81.6	81.6
≥ 1000	35.2	68.0	69.6	72.0	80.8	84.0	84.8	85.6	85.6	85.6	85.6	85.6
≥ 900	35.2	68.0	69.6	72.0	81.6	84.8	85.6	86.4	86.4	86.4	86.4	86.4
≥ 800	35.2	68.8	70.4	72.8	82.4	85.6	87.2	88.0	88.0	88.8	88.8	88.8
≥ 700	35.2	69.6	71.2	73.6	83.2	86.4	88.0	88.8	89.6	89.6	89.6	89.6
≥ 600	35.2	69.6	71.2	73.6	83.2	86.4	88.0	88.8	89.6	89.6	89.6	89.6
≥ 500	35.2	69.6	71.2	73.6	83.2	86.4	88.0	89.6	90.4	91.2	91.2	91.2
≥ 400	35.2	69.6	71.2	73.6	83.2	87.2	89.6	91.2	91.2	92.0	94.4	95.2
≥ 300	35.2	69.6	71.2	73.6	83.2	87.2	89.6	91.2	91.2	93.6	96.0	96.8
≥ 200	35.2	69.6	71.2	73.6	83.2	87.2	89.6	91.2	92.0	94.4	96.8	97.6
≥ 100	35.2	69.6	71.2	73.6	83.2	87.2	89.6	91.2	92.0	94.4	96.8	97.6
≥ 0	35.2	69.6	71.2	73.6	83.2	87.2	89.6	91.2	92.0	94.4	96.8	98.4

TOTAL NUMBER OF OBSERVATIONS

125

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-77

YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	20.4	34.7	36.1	36.7	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4
≥ 20000	23.8	40.8	42.2	43.5	44.2	44.2	44.2	44.9	44.9	44.9	44.9	44.9	44.9	44.9
≥ 18000	23.8	40.8	42.2	43.5	44.2	44.2	44.2	44.9	44.9	44.9	44.9	44.9	44.9	44.9
≥ 16000	24.5	41.5	42.9	44.2	44.9	44.9	44.9	45.6	45.6	45.6	45.6	45.6	45.6	45.6
≥ 14000	25.2	42.2	44.2	45.6	46.3	46.3	46.3	46.9	46.9	46.9	46.9	46.9	46.9	46.9
≥ 12000	26.5	44.9	46.9	48.3	49.0	49.0	49.0	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 10000	28.6	49.7	51.7	53.1	53.7	53.7	53.7	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 9000	28.6	49.7	51.7	53.1	53.7	53.7	53.7	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 8000	30.6	55.1	57.1	58.5	59.2	59.2	59.2	59.9	59.9	59.9	59.9	59.9	59.9	59.9
≥ 7000	30.6	56.5	58.5	59.9	60.5	60.5	60.5	61.2	61.2	61.2	61.2	61.2	61.2	61.2
≥ 6000	30.6	57.1	59.2	60.5	61.2	61.2	61.2	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 5000	31.3	58.5	60.5	61.9	62.6	62.6	62.6	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 4500	31.3	59.2	61.2	62.6	63.3	63.3	63.3	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 4000	33.3	62.6	64.6	66.0	66.7	66.7	66.7	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 3500	36.1	65.3	67.4	68.7	69.4	69.4	69.4	70.1	70.1	70.1	70.1	70.1	70.1	70.1
≥ 3000	37.4	70.8	72.8	74.2	74.8	74.8	74.8	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 2500	38.1	73.5	75.5	76.9	77.6	77.6	77.6	78.2	78.2	78.2	78.2	78.2	78.2	78.2
≥ 2000	38.8	74.2	76.2	77.6	78.2	78.2	78.2	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 1800	38.8	74.2	76.2	77.6	78.2	78.2	78.2	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 1500	38.8	74.8	76.9	78.2	79.6	79.6	79.6	80.3	81.0	81.0	81.0	81.0	81.0	81.0
≥ 1200	38.8	74.8	76.9	78.2	79.6	79.6	79.6	80.3	81.0	81.0	81.0	81.0	81.0	81.0
≥ 1000	38.8	75.5	77.6	78.9	81.6	81.6	81.6	82.3	83.0	83.0	83.0	83.0	83.0	83.0
900	38.8	75.5	77.6	78.9	81.6	81.6	81.6	82.3	83.0	83.0	83.0	83.0	83.0	83.0
800	38.8	76.2	78.2	79.6	82.3	83.0	83.0	83.7	84.4	85.0	85.0	85.0	85.0	85.0
700	38.8	76.9	78.9	80.3	83.0	83.7	84.4	85.0	85.7	86.4	86.4	86.4	86.4	86.4
600	38.8	77.6	81.0	82.3	85.0	86.4	86.4	87.1	87.8	88.5	89.2	89.9	90.6	91.3
500	38.8	77.6	81.0	83.0	85.7	87.1	87.8	88.5	89.2	89.9	90.6	91.3	92.0	92.7
400	38.8	77.6	81.0	83.0	85.7	87.1	87.8	88.5	89.2	89.9	90.6	91.3	92.0	92.7
300	38.8	77.6	81.0	83.0	85.7	87.1	87.8	88.5	89.2	89.9	90.6	91.3	92.0	92.7
200	38.8	77.6	81.0	83.0	85.7	87.1	87.8	88.5	89.2	89.9	90.6	91.3	92.0	92.7
100	38.8	77.6	81.0	83.0	85.7	87.1	87.8	88.5	89.2	89.9	90.6	91.3	92.0	92.7
0	38.8	77.6	81.0	83.0	85.7	87.1	87.8	88.5	89.2	89.9	90.6	91.3	92.0	92.7

TOTAL NUMBER OF OBSERVATIONS

147

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

13773
STATION

QUANTICO, VIRGINIA

73-77

STATION NAME

YEARS

MAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING	24.5	39.5	39.5	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
≥ 20000	28.6	47.6	47.6	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 18000	29.3	48.3	48.3	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 16000	29.3	48.3	48.3	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 14000	29.9	49.7	49.7	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 12000	30.6	51.0	51.0	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
≥ 10000	35.4	57.1	57.1	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
≥ 9000	36.1	58.5	58.5	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
≥ 8000	37.4	60.5	60.5	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 7000	37.4	61.2	61.2	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 6000	37.4	61.9	61.9	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 5000	38.8	64.0	64.0	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 4500	39.5	66.0	66.0	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 4000	40.8	68.0	68.0	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
≥ 3500	43.5	72.1	72.1	73.5	74.2	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 3000	45.6	75.5	75.5	76.9	77.6	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
≥ 2500	45.6	76.9	76.9	78.2	78.9	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 2000	45.6	76.9	76.9	78.2	78.9	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 1800	45.6	78.2	78.2	79.6	80.3	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 1500	45.6	79.6	79.6	81.0	81.6	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 1200	45.6	81.0	81.0	82.3	83.7	84.4	84.4	84.4	84.4	85.0	85.0	85.0	85.0
≥ 1000	45.6	81.0	81.0	83.0	84.4	85.7	85.7	85.7	85.7	86.4	86.4	86.4	86.4
≥ 900	45.6	82.3	83.0	85.0	86.4	88.4	88.4	88.4	88.4	89.1	89.1	89.1	89.1
≥ 800	45.6	82.3	83.7	85.7	87.1	89.8	91.2	91.2	91.2	91.8	92.5	92.5	92.5
≥ 700	45.6	82.3	83.7	85.7	87.8	90.5	92.5	92.5	92.5	93.9	95.2	95.2	95.2
≥ 600	45.6	82.3	83.7	85.7	88.4	91.8	93.9	93.9	93.9	95.2	96.6	96.6	96.6
≥ 500	45.6	82.3	83.7	86.4	88.4	91.8	93.9	94.6	94.6	96.6	98.0	98.6	99.3
≥ 400	45.6	82.3	83.7	86.4	88.4	91.8	93.9	94.6	94.6	96.6	98.0	98.6	99.3
≥ 300	45.6	82.3	83.7	86.4	88.4	91.8	93.9	94.6	94.6	96.6	98.0	98.6	99.3
≥ 200	45.6	82.3	83.7	86.4	88.4	91.8	93.9	94.6	94.6	96.6	98.0	98.6	99.3
≥ 100	45.6	82.3	83.7	86.4	88.4	91.8	93.9	94.6	94.6	96.6	98.0	98.6	99.3
≥ 0	45.6	82.3	83.7	86.4	88.4	91.8	93.9	94.6	94.6	96.6	98.0	98.6	99.3

TOTAL NUMBER OF OBSERVATIONS

147

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-77

YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

16
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING	27.5	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0
≥ 20000	34.5	48.6	48.6	48.6	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥ 18000	34.5	48.6	48.6	48.6	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥ 16000	34.5	48.6	48.6	48.6	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥ 14000	34.5	49.3	49.3	49.3	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 12000	36.6	53.5	53.5	53.5	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 10000	36.6	55.6	55.6	55.6	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
≥ 9000	38.0	56.3	56.3	56.3	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 8000	40.9	60.6	60.6	60.6	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 7000	41.6	62.0	62.0	62.0	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 6000	42.3	64.1	64.1	64.1	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥ 5000	43.0	66.2	66.2	66.2	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
≥ 4500	43.0	66.9	66.9	66.9	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
≥ 4000	46.5	72.5	72.5	72.5	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
≥ 3500	47.9	73.9	73.9	73.9	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 3000	49.3	76.8	76.8	76.8	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
≥ 2500	49.3	78.2	78.2	78.2	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 2000	50.0	79.6	79.6	79.6	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 1800	50.0	79.6	79.6	79.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 1500	50.7	81.0	81.0	81.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 1200	50.7	83.8	83.8	83.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 1000	51.4	85.2	85.2	85.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 900	51.4	85.2	85.2	85.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 800	51.4	86.6	86.6	86.6	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 700	51.4	88.0	88.0	88.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 600	51.4	88.7	88.7	88.7	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 500	51.4	89.4	89.4	89.4	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 400	51.4	90.1	90.1	90.1	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 300	51.4	90.1	90.1	90.1	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 200	51.4	90.1	90.1	90.1	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 100	51.4	90.1	90.1	90.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
0	51.4	90.1	90.1	90.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

142

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-77

YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

19
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ 0
NO CEILING	17.5	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
≥ 20000	19.8	54.0	54.8	54.8	55.6	55.6	55.6	55.6	55.6	55.6	55.6
≥ 18000	19.8	54.0	54.8	54.8	55.6	55.6	55.6	55.6	55.6	55.6	55.6
≥ 16000	19.8	54.0	54.8	54.8	55.6	55.6	55.6	55.6	55.6	55.6	55.6
≥ 14000	19.8	54.0	54.8	54.8	55.6	55.6	55.6	55.6	55.6	55.6	55.6
≥ 12000	20.6	56.4	57.1	57.1	57.9	57.9	57.9	57.9	57.9	57.9	57.9
≥ 10000	23.0	61.9	62.7	62.7	63.5	63.5	63.5	63.5	63.5	63.5	63.5
≥ 9000	23.0	61.9	62.7	62.7	63.5	63.5	63.5	63.5	63.5	63.5	63.5
≥ 8000	23.0	65.1	65.9	65.9	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 7000	24.6	67.5	68.3	68.3	69.1	69.1	69.1	69.1	69.1	69.1	69.1
≥ 6000	24.6	68.3	69.1	69.1	69.8	69.8	69.8	69.8	69.8	69.8	69.8
≥ 5000	25.4	71.4	72.2	72.2	73.0	73.0	73.0	73.0	73.0	73.0	73.0
≥ 4500	25.4	71.4	72.2	72.2	73.0	73.0	73.0	73.0	73.0	73.0	73.0
≥ 4000	26.2	72.2	73.8	73.8	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥ 3500	26.2	73.8	75.4	75.4	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 3000	26.2	75.4	77.8	77.8	78.6	78.6	79.4	79.4	79.4	79.4	79.4
≥ 2500	26.2	75.4	77.8	79.4	81.0	81.0	81.8	81.8	81.8	81.8	81.8
≥ 2000	26.2	77.0	79.4	81.0	82.5	82.5	83.3	83.3	83.3	83.3	83.3
≥ 1800	26.2	77.0	79.4	81.0	82.5	82.5	83.3	83.3	83.3	83.3	83.3
≥ 1500	26.2	77.8	80.2	81.8	83.3	83.3	84.1	84.1	84.1	84.1	84.1
≥ 1200	26.2	79.4	81.8	83.3	85.7	85.7	86.5	86.5	86.5	86.5	86.5
≥ 1000	26.2	80.2	82.5	84.1	87.3	87.3	88.9	88.9	88.9	88.9	88.9
≥ 900	26.2	81.0	83.3	84.9	88.1	88.9	91.3	91.3	91.3	91.3	91.3
≥ 800	26.2	81.0	84.9	86.5	89.7	90.5	93.7	94.4	94.4	94.4	94.4
≥ 700	26.2	81.8	85.7	87.3	90.5	91.3	94.4	95.2	95.2	95.2	95.2
≥ 600	26.2	81.8	85.7	87.3	90.5	91.3	94.4	95.2	95.2	95.2	95.2
≥ 500	26.2	82.5	86.5	88.1	91.3	93.7	96.8	97.6	98.4	98.4	98.4
≥ 400	26.2	82.5	86.5	88.1	91.3	93.7	96.8	97.6	98.4	98.4	98.4
≥ 300	26.2	82.5	86.5	88.1	91.3	93.7	96.8	97.6	98.4	98.4	98.4
≥ 200	26.2	82.5	86.5	88.1	91.3	93.7	96.8	97.6	98.4	98.4	98.4
≥ 100	26.2	82.5	86.5	88.1	91.3	93.7	96.8	97.6	98.4	98.4	98.4
0	26.2	82.5	86.5	88.1	91.3	93.7	96.8	97.6	98.4	98.4	98.4

TOTAL NUMBER OF OBSERVATIONS 126

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

13773

QUANTICO, VIRGINIA

73-76

MAR

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

22
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	≥ 0	≥ 0
NO CEILING	8.9	46.0	46.8	47.6	48.4	48.4	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
≥ 20000	8.9	54.8	55.7	56.5	57.3	57.3	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 18000	8.9	55.7	56.5	57.3	58.1	58.1	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
≥ 16000	8.9	55.7	56.5	57.3	58.1	58.1	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
≥ 14000	8.9	55.7	56.5	57.3	58.1	58.1	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
≥ 12000	9.7	56.5	57.3	58.1	58.9	58.9	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
≥ 10000	9.7	57.3	58.1	58.9	59.7	59.7	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 9000	9.7	57.3	58.1	58.9	59.7	59.7	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 8000	9.7	60.5	61.3	62.1	62.9	62.9	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 7000	9.7	62.9	64.5	65.3	66.1	66.1	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
≥ 6000	9.7	62.9	64.5	65.3	66.1	66.1	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
≥ 5000	10.5	66.1	67.7	68.6	69.4	69.4	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 4500	10.5	66.1	67.7	68.6	69.4	69.4	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 4000	10.5	68.6	70.2	71.8	72.6	72.6	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
≥ 3500	11.3	70.2	73.4	75.8	76.6	76.6	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 3000	11.3	71.8	75.8	78.2	79.8	79.8	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 2500	11.3	71.8	75.8	78.2	80.7	80.7	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
≥ 2000	11.3	73.4	78.2	80.7	83.9	83.9	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 1800	11.3	73.4	78.2	80.7	83.9	83.9	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 1500	11.3	74.2	79.0	81.5	84.7	84.7	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 1200	11.3	74.2	79.0	81.5	84.7	84.7	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 1000	11.3	74.2	80.7	83.1	87.1	87.1	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 900	11.3	75.0	81.5	83.9	87.9	87.9	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 800	11.3	75.0	81.5	83.9	87.9	87.9	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 700	11.3	75.0	81.5	83.9	87.9	87.9	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 600	11.3	75.0	81.5	83.9	87.9	87.9	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 500	11.3	75.8	83.9	86.3	91.1	91.1	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 400	11.3	76.6	84.7	87.1	91.9	91.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 300	11.3	76.6	84.7	87.1	91.9	91.9	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 200	11.3	76.6	84.7	87.1	91.9	91.9	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 100	11.3	76.6	84.7	87.1	91.9	91.9	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 0	11.3	76.6	84.7	87.1	91.9	91.9	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4

TOTAL NUMBER OF OBSERVATIONS

124

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-77

YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ⅓	≥ 0
NO CEILING	15.8	39.9	40.6	41.3	42.0	42.2	42.3	42.3	42.3	42.4	42.4	42.4	42.4	42.5
≥ 20000	19.6	48.0	48.7	49.6	50.4	50.6	50.9	50.9	50.9	51.0	51.0	51.0	51.0	51.1
≥ 18000	19.8	48.4	49.2	50.1	50.9	51.1	51.4	51.4	51.4	51.5	51.5	51.5	51.5	51.6
≥ 16000	19.9	48.5	49.3	50.1	51.0	51.2	51.5	51.5	51.5	51.6	51.6	51.6	51.6	51.7
≥ 14000	20.1	49.1	50.0	50.8	51.7	51.8	52.1	52.1	52.1	52.2	52.2	52.2	52.2	52.3
≥ 12000	20.8	50.8	51.7	52.5	53.4	53.6	53.8	53.8	53.8	53.9	53.9	53.9	53.9	54.0
≥ 10000	22.7	55.1	56.1	57.0	57.8	58.0	58.3	58.3	58.3	58.4	58.4	58.4	58.4	58.5
≥ 9000	23.1	55.6	56.7	57.6	58.5	58.7	58.9	58.9	58.9	59.0	59.0	59.0	59.0	59.1
≥ 8000	24.3	59.4	60.6	61.5	62.4	62.5	62.8	62.8	62.8	62.9	62.9	62.9	62.9	63.0
≥ 7000	24.7	60.8	62.1	63.0	63.9	64.1	64.3	64.3	64.3	64.4	64.4	64.4	64.4	64.5
≥ 6000	24.8	61.5	62.7	63.7	64.5	64.7	65.0	65.0	65.0	65.1	65.1	65.1	65.1	65.2
≥ 5000	25.5	64.0	65.2	66.1	67.3	67.6	67.8	67.8	67.8	67.9	67.9	67.9	67.9	68.0
≥ 4500	25.6	64.9	66.1	67.2	68.4	68.7	69.0	69.0	69.0	69.1	69.1	69.1	69.1	69.2
≥ 4000	27.0	67.6	69.2	70.4	71.7	72.0	72.3	72.3	72.3	72.4	72.4	72.4	72.4	72.5
≥ 3500	27.7	68.7	70.5	71.9	73.2	73.5	73.8	73.8	73.8	73.9	73.9	73.9	73.9	74.0
≥ 3000	28.5	71.1	73.1	74.6	76.3	76.6	77.1	77.1	77.1	77.2	77.2	77.2	77.2	77.3
≥ 2500	29.0	72.5	74.5	76.3	78.2	78.7	79.2	79.2	79.2	79.3	79.3	79.3	79.3	79.4
≥ 2000	29.1	73.5	75.8	77.6	79.9	80.5	81.1	81.2	81.2	81.3	81.3	81.3	81.3	81.4
≥ 1800	29.1	73.6	75.9	77.7	80.2	80.8	81.5	81.6	81.6	81.7	81.7	81.7	81.7	81.7
≥ 1500	29.2	74.6	76.8	78.6	81.5	82.0	82.7	82.9	82.9	83.0	83.0	83.0	83.0	83.1
≥ 1200	29.2	75.5	77.9	79.7	82.7	83.4	84.3	84.7	84.7	84.8	84.8	84.8	84.8	84.9
≥ 1000	29.3	76.3	78.8	80.8	84.7	85.6	86.6	87.1	87.1	87.4	87.4	87.4	87.4	87.5
≥ 900	29.3	76.4	79.1	81.1	85.1	86.3	87.5	88.0	88.0	88.3	88.3	88.3	88.3	88.4
≥ 800	29.3	77.1	79.9	82.0	86.2	87.6	89.1	89.7	89.7	90.1	90.1	90.1	90.1	90.2
≥ 700	29.3	77.6	80.6	82.7	86.9	88.4	90.1	90.7	90.7	91.2	91.4	91.5	91.5	91.6
≥ 600	29.3	77.8	81.2	83.3	87.7	89.5	91.7	92.5	92.5	93.1	93.6	93.7	93.8	93.9
≥ 500	29.3	78.2	81.7	84.0	88.6	90.7	92.9	94.0	94.0	94.7	95.4	95.7	95.7	95.9
≥ 400	29.3	78.4	81.9	84.2	88.8	91.1	93.6	94.9	94.9	95.7	96.7	97.1	97.3	97.5
≥ 300	29.3	78.4	81.9	84.3	88.9	91.4	94.0	95.4	95.4	96.7	97.9	98.0	98.5	99.0
≥ 200	29.3	78.5	82.0	84.4	89.0	91.5	94.0	95.5	95.5	97.0	98.2	98.3	98.8	99.2
≥ 100	29.3	78.5	82.0	84.4	89.0	91.5	94.1	95.6	95.6	97.1	98.3	98.4	98.8	99.6
≥ 0	29.3	78.5	82.0	84.4	89.0	91.5	94.1	95.6	95.6	97.1	98.3	98.4	98.8	99.3

TOTAL NUMBER OF OBSERVATIONS

1057

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-76

YEAR

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

01
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	10.2	56.8	58.5	59.3	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
≥ 20000	12.7	61.9	63.6	64.4	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
18000	12.7	61.9	63.6	64.4	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 16000	12.7	62.7	64.4	65.3	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
14000	12.7	63.6	65.3	66.1	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
12000	13.6	66.1	67.8	68.6	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
10000	13.6	72.9	74.6	75.4	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 9000	13.6	73.7	75.4	76.3	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
8000	13.6	75.4	77.1	78.0	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
7000	14.4	78.8	80.5	81.4	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
6000	14.4	78.8	80.5	81.4	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
5000	14.4	79.7	81.4	82.2	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
4500	14.4	80.5	82.2	83.1	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
4000	14.4	83.9	85.6	86.4	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
3500	14.4	84.8	87.2	88.1	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
3000	14.4	85.6	88.1	89.0	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
2500	14.4	85.6	88.1	89.0	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
2000	14.4	85.6	88.1	89.0	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
1800	14.4	85.6	88.1	89.0	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
1500	14.4	86.4	89.8	92.4	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
1200	14.4	86.4	89.8	93.2	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
1000	14.4	86.4	89.8	93.2	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
900	14.4	86.4	89.8	93.2	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
800	14.4	86.4	89.8	94.1	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
700	14.4	86.4	89.8	94.1	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
600	14.4	86.4	89.8	94.1	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
500	14.4	86.4	89.8	94.1	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
400	14.4	86.4	89.8	94.1	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
300	14.4	86.4	89.8	94.1	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
200	14.4	86.4	89.8	94.1	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
100	14.4	86.4	89.8	94.1	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
0	14.4	86.4	89.8	94.1	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9

TOTAL NUMBER OF OBSERVATIONS

116

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-76

YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

04
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	7.6	54.6	57.1	59.7	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 20000	8.4	58.0	60.5	63.0	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 18000	8.4	58.0	60.5	63.0	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 16000	8.4	58.0	60.5	63.0	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 14000	8.4	58.8	61.3	63.9	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 12000	9.2	61.3	63.9	66.4	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
≥ 10000	11.8	68.9	72.3	74.8	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 9000	11.8	68.9	72.3	74.8	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 8000	11.8	72.3	75.6	78.2	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 7000	11.8	74.0	77.3	79.8	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 6000	11.8	74.0	77.3	79.8	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 5000	11.8	78.2	81.5	84.0	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 4500	11.8	79.0	82.4	84.9	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 4000	11.8	79.8	83.2	85.7	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 3500	11.8	80.7	84.9	87.4	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 3000	12.6	82.4	86.6	89.1	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥ 2500	12.6	83.2	87.4	89.9	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 2000	12.6	85.7	89.9	92.4	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 1800	12.6	85.7	89.9	92.4	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 1500	12.6	85.7	89.9	92.4	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 1200	12.6	85.7	90.8	93.3	94.1	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 1000	12.6	85.7	90.8	94.1	95.0	95.8	96.6	96.6	96.6	96.6	96.6	96.6
≥ 900	12.6	85.7	90.8	94.1	95.0	95.8	96.6	96.6	96.6	96.6	96.6	96.6
≥ 800	12.6	85.7	90.8	94.1	95.0	95.8	96.6	96.6	96.6	96.6	96.6	96.6
≥ 700	12.6	85.7	90.8	94.1	95.0	95.8	96.6	96.6	96.6	96.6	96.6	96.6
≥ 600	12.6	85.7	90.8	94.1	95.0	95.8	96.6	96.6	96.6	96.6	96.6	96.6
≥ 500	12.6	85.7	90.8	94.1	95.0	95.8	96.6	96.6	96.6	96.6	96.6	96.6
≥ 400	12.6	85.7	90.8	94.1	95.0	95.8	96.6	96.6	96.6	96.6	96.6	96.6
≥ 300	12.6	85.7	90.8	94.1	95.0	95.8	96.6	96.6	96.6	96.6	96.6	96.6
≥ 200	12.6	85.7	90.8	94.1	95.0	95.8	96.6	96.6	96.6	96.6	96.6	96.6
≥ 100	12.6	85.7	90.8	94.1	95.0	95.8	96.6	96.6	96.6	96.6	96.6	96.6
≥ 0	12.6	85.7	90.8	94.1	95.0	95.8	96.6	96.6	96.6	96.6	96.6	96.6

TOTAL NUMBER OF OBSERVATIONS

119

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-77

YEAR

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

07
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	34.2	48.0	50.4	51.2	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
≥ 20000	35.8	51.2	54.5	55.3	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
18000	35.8	51.2	54.5	55.3	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
16000	35.8	51.2	54.5	55.3	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
14000	35.8	51.2	54.5	55.3	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
12000	36.6	52.0	55.3	56.1	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
10000	43.1	61.8	65.0	65.9	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
9000	43.1	61.8	65.0	65.9	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
8000	43.1	65.0	68.3	69.1	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
7000	43.9	65.9	69.1	69.9	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
6000	43.9	65.9	69.1	69.9	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
5000	48.0	70.7	74.0	74.8	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
4500	49.6	73.2	76.4	77.2	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
4000	52.9	76.4	79.7	81.3	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
3500	53.7	77.2	80.5	82.1	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
3000	54.5	78.9	82.1	83.7	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
2500	56.1	81.3	84.6	86.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
2000	56.9	83.7	87.0	88.6	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
1800	56.9	83.7	87.0	88.6	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
1500	56.9	83.7	87.0	88.6	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
1200	56.9	84.6	87.8	89.4	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
1000	56.9	84.6	87.8	90.2	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
900	56.9	84.6	87.8	90.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
800	56.9	84.6	87.8	90.2	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
700	56.9	84.6	87.8	90.2	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
600	56.9	84.6	87.8	90.2	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
500	56.9	84.6	87.8	90.2	95.9	96.8	97.6	97.6	97.6	97.6	97.6	97.6	97.6
400	56.9	84.6	87.8	90.2	95.9	96.8	97.6	97.6	97.6	97.6	97.6	97.6	97.6
300	56.9	84.6	87.8	90.2	95.9	96.8	97.6	97.6	97.6	97.6	97.6	97.6	97.6
200	56.9	84.6	87.8	90.2	95.9	96.8	97.6	97.6	97.6	97.6	97.6	97.6	97.6
100	56.9	84.6	87.8	90.2	95.9	96.8	97.6	97.6	97.6	97.6	97.6	97.6	97.6
0	56.9	84.6	87.8	90.2	95.9	96.8	97.6	97.6	97.6	97.6	97.6	97.6	97.6

TOTAL NUMBER OF OBSERVATIONS

123

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-77

YEARS

APR
MONTH

10
HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	32.1	55.0	55.7	56.4	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 20000	35.7	60.7	61.4	62.1	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
≥ 18000	35.7	60.7	61.4	62.1	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
≥ 16000	35.7	60.7	61.4	62.1	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
≥ 14000	35.7	60.7	61.4	62.1	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
≥ 12000	36.4	61.4	62.1	62.9	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥ 10000	41.4	67.9	68.6	69.3	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 9000	41.4	67.9	68.6	69.3	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 8000	42.9	70.7	71.4	72.1	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 7000	43.6	71.4	72.1	72.9	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 6000	43.6	71.4	72.1	72.9	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 5000	47.1	76.4	77.1	77.9	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
≥ 4500	47.9	77.1	77.9	78.6	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 4000	48.6	79.3	80.0	80.7	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 3500	49.3	80.0	81.4	82.1	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
≥ 3000	50.7	82.1	83.6	84.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
≥ 2500	51.4	85.0	86.4	87.1	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 2000	51.4	85.0	86.4	87.1	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 1800	51.4	85.0	86.4	87.1	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 1500	51.4	85.0	86.4	87.1	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 1200	52.1	86.4	88.6	89.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 1000	52.1	87.9	90.0	90.7	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 900	52.1	87.9	90.0	90.7	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 800	52.1	87.9	90.0	91.4	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 700	52.1	87.9	90.7	91.4	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 600	52.1	88.6	91.4	92.1	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 500	52.1	88.6	92.1	92.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 400	52.1	88.6	92.1	92.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 300	52.1	88.6	92.1	92.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 200	52.1	88.6	92.1	92.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 100	52.1	88.6	92.1	92.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 0	52.1	88.6	92.1	92.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1

TOTAL NUMBER OF OBSERVATIONS

140

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

13773

QUANTICO, VIRGINIA

73-77

APR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	27.5	44.6	44.6	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
≥ 20000	34.5	52.5	52.5	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 18000	35.3	53.2	53.2	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 16000	35.3	53.2	53.2	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 14000	36.0	54.7	54.7	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
≥ 12000	37.4	56.1	56.1	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 10000	40.3	60.4	60.4	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
≥ 8000	40.3	60.4	60.4	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
≥ 7000	43.9	64.8	64.8	65.5	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
≥ 6000	44.6	65.5	65.5	66.2	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
≥ 5000	46.8	68.4	68.4	69.1	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
≥ 4500	48.9	70.5	70.5	71.2	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 4000	53.2	76.3	76.3	77.0	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 3500	55.4	78.4	78.4	79.1	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
≥ 3000	58.3	82.0	82.0	82.7	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 2500	61.9	88.5	88.5	89.2	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥ 2000	62.6	89.2	89.2	89.9	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 1800	62.6	89.2	89.2	89.9	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 1500	63.3	90.7	90.7	91.4	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 1200	64.0	92.8	92.8	93.5	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 1000	64.0	92.8	92.8	93.5	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 900	64.0	92.8	92.8	93.5	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 800	64.0	92.8	92.8	93.5	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 700	64.0	93.5	93.5	94.2	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 600	64.0	95.0	95.0	95.7	97.8	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 500	64.0	95.0	95.0	95.7	97.8	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 400	64.0	95.7	95.7	96.4	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	64.0	95.7	95.7	96.4	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200	64.0	95.7	95.7	96.4	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100	64.0	95.7	95.7	96.4	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
0	64.0	95.7	95.7	96.4	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

139

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-77

YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

16
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	36.4	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
≥ 20000	43.2	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
≥ 18000	43.2	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
≥ 16000	43.9	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 14000	43.9	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 12000	45.5	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 10000	47.7	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 9000	49.2	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
≥ 8000	53.0	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
≥ 7000	53.0	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
≥ 6000	53.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
≥ 5000	58.3	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 4500	58.3	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 4000	62.1	79.6	79.6	79.6	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 3500	64.4	82.6	82.6	82.6	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 3000	67.4	86.4	86.4	86.4	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 2500	69.7	91.7	91.7	91.7	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 2000	71.2	93.2	93.2	93.2	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 1800	71.2	93.2	93.2	93.2	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 1500	71.2	93.9	93.9	93.9	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 1200	71.2	94.7	94.7	94.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 1000	71.2	94.7	94.7	94.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 900	71.2	94.7	94.7	94.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 800	71.2	94.7	94.7	94.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 700	71.2	94.7	94.7	94.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 600	71.2	95.5	95.5	95.5	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 500	71.2	95.5	95.5	95.5	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 400	71.2	95.5	95.5	95.5	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 300	71.2	95.5	95.5	95.5	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 200	71.2	95.5	95.5	95.5	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 100	71.2	95.5	95.5	95.5	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 0	71.2	95.5	95.5	95.5	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2

TOTAL NUMBER OF OBSERVATIONS

132

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-77

TEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

19
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	53.0	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 20000	50.0	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
≥ 18000	50.8	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 16000	50.8	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 14000	50.8	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 12000	52.5	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 10000	56.7	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 9000	56.7	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 8000	64.2	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 7000	64.2	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 6000	65.0	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 5000	67.5	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 4500	68.3	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 4000	70.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 3500	70.8	90.8	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 3000	72.5	92.5	93.3	93.3	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 2500	72.5	92.5	93.3	93.3	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 2000	72.5	93.3	94.2	94.2	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 1800	72.5	93.3	94.2	94.2	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 1500	72.5	93.3	94.2	94.2	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 1200	72.5	94.2	95.0	95.0	95.8	95.8	95.8	96.7	96.7	96.7	96.7
≥ 1000	72.5	95.0	96.7	96.7	98.3	98.3	98.3	99.2	99.2	99.2	99.2
≥ 900	72.5	95.0	96.7	96.7	98.3	98.3	98.3	99.2	99.2	99.2	99.2
≥ 800	72.5	95.0	96.7	96.7	98.3	98.3	98.3	99.2	99.2	99.2	99.2
≥ 700	72.5	95.0	96.7	96.7	98.3	98.3	98.3	99.2	99.2	99.2	99.2
≥ 600	72.5	95.0	96.7	96.7	98.3	98.3	98.3	99.2	99.2	99.2	99.2
≥ 500	72.5	95.0	96.7	96.7	98.3	98.3	98.3	99.2	99.2	99.2	99.2
≥ 400	72.5	95.0	96.7	96.7	98.3	98.3	98.3	99.2	99.2	99.2	99.2
≥ 300	72.5	95.0	96.7	96.7	98.3	98.3	98.3	99.2	99.2	99.2	99.2
≥ 200	72.5	95.0	96.7	96.7	98.3	98.3	98.3	99.2	99.2	99.2	99.2
≥ 100	72.5	95.0	96.7	96.7	98.3	98.3	98.3	99.2	99.2	99.2	99.2
0	72.5	95.0	96.7	96.7	98.3	98.3	98.3	99.2	99.2	99.2	99.2

TOTAL NUMBER OF OBSERVATIONS 120

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-76

YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

22
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING	9.3	61.0	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 20000	11.0	68.6	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 18000	11.0	68.6	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 16000	11.0	68.6	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 14000	11.9	69.5	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 12000	11.9	71.2	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 10000	12.7	76.3	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 9000	12.7	76.3	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 8000	13.6	79.7	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
≥ 7000	13.6	80.5	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 6000	13.6	80.5	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 5000	13.6	83.1	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 4500	13.6	83.9	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 4000	13.6	89.0	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 3500	14.4	89.8	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 3000	14.4	89.8	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 2500	14.4	90.7	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 2000	14.4	93.2	94.9	95.8	96.6	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 1800	14.4	93.2	94.9	95.8	96.6	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 1500	14.4	93.2	94.9	95.8	97.5	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1200	14.4	93.2	94.9	95.8	97.5	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1000	14.4	93.2	94.9	95.8	97.5	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 900	14.4	93.2	94.9	95.8	97.5	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 800	14.4	93.2	94.9	95.8	97.5	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 700	14.4	93.2	94.9	95.8	97.5	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 600	14.4	93.2	94.9	95.8	97.5	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 500	14.4	93.2	94.9	95.8	97.5	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 400	14.4	93.2	94.9	95.8	97.5	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 300	14.4	93.2	94.9	95.8	97.5	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 200	14.4	93.2	94.9	95.8	97.5	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 100	14.4	93.2	94.9	95.8	97.5	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 0	14.4	93.2	94.9	95.8	97.5	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3

TOTAL NUMBER OF OBSERVATIONS

116

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13773

QUANTICO, VIRGINIA

73-77

STATION NAME

YEARS

APR

MONTH

ALL

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	26.0	52.1	53.1	53.8	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 20000	29.4	58.4	59.5	60.2	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
≥ 18000	29.6	58.6	59.7	60.4	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 16000	29.7	58.9	60.0	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 14000	29.9	59.6	60.7	61.4	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 12000	30.9	61.3	62.3	63.0	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥ 10000	34.0	67.6	68.8	69.5	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
≥ 9000	34.2	67.9	69.1	69.8	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥ 8000	36.4	72.0	73.1	73.8	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥ 7000	36.8	72.9	74.1	74.8	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 6000	37.0	73.1	74.3	75.0	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 5000	39.2	76.8	78.0	78.7	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
≥ 4500	39.8	77.9	79.1	79.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
≥ 4000	41.6	81.6	83.0	83.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 3500	42.6	82.9	84.5	85.3	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 3000	44.0	84.8	86.5	87.5	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥ 2500	45.1	87.3	89.0	90.0	91.3	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 2000	45.5	88.6	90.3	91.4	92.8	92.9	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 1800	45.5	88.6	90.3	91.4	92.8	92.9	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 1500	45.6	89.0	90.8	92.0	93.6	93.7	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 1200	45.8	89.8	91.8	93.1	94.8	95.0	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1000	45.8	90.1	92.2	93.7	95.6	95.8	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 900	45.8	90.1	92.2	93.7	95.7	95.9	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 800	45.8	90.1	92.3	93.9	96.3	96.5	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 700	45.8	90.2	92.4	94.0	96.4	96.6	97.5	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 600	45.8	90.6	92.8	94.4	96.8	97.1	98.1	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 500	45.8	90.6	92.9	94.5	97.0	97.5	98.5	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 400	45.8	90.7	93.0	94.6	97.1	97.6	98.6	99.2	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	45.8	90.7	93.0	94.6	97.1	97.6	98.6	99.3	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5
≥ 200	45.8	90.7	93.0	94.6	97.1	97.6	98.6	99.4	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6
≥ 100	45.8	90.7	93.0	94.6	97.1	97.6	98.6	99.4	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6
0	45.8	90.7	93.0	94.6	97.1	97.6	98.6	99.4	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS

1009

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

13773

QUANTICO, VIRGINIA

STATION

73-76

STATION NAME

YEARS

MAY

MONTH

01

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	3.7	43.9	51.4	52.3	55.1	56.1	57.0	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
≥ 20000	3.7	47.7	55.1	56.1	58.9	59.8	60.8	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 18000	3.7	47.7	55.1	56.1	58.9	59.8	60.8	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 16000	3.7	47.7	55.1	56.1	58.9	59.8	60.8	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 14000	3.7	48.6	56.1	57.0	59.8	60.8	62.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥ 12000	3.7	49.5	57.0	57.9	60.8	61.7	63.6	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 10000	5.6	55.1	63.6	64.5	67.3	68.2	70.1	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 9000	5.6	55.1	63.6	64.5	67.3	68.2	70.1	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 8000	5.6	61.7	70.1	71.0	73.8	74.8	76.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
≥ 7000	5.6	61.7	70.1	71.0	73.8	74.8	76.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
≥ 6000	5.6	61.7	70.1	71.0	73.8	75.7	77.6	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
≥ 5000	5.6	61.7	71.0	72.0	74.8	76.6	78.5	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 4500	5.6	61.7	71.0	72.9	75.7	77.6	79.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥ 4000	5.6	64.5	73.8	76.6	79.4	82.2	84.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 3500	5.6	64.5	73.8	76.6	79.4	82.2	84.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 3000	5.6	67.3	77.6	80.4	84.1	86.9	88.8	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 2500	5.6	67.3	78.5	81.3	85.1	87.9	89.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 2000	5.6	68.2	79.4	82.2	86.0	88.8	90.7	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 1800	5.6	68.2	79.4	82.2	86.0	88.8	90.7	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 1500	5.6	68.2	79.4	82.2	86.0	88.8	90.7	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 1200	5.6	68.2	79.4	82.2	86.9	89.7	91.6	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 1000	5.6	69.2	80.4	83.2	87.9	90.7	92.5	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 900	5.6	69.2	80.4	83.2	87.9	90.7	92.5	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 800	5.6	69.2	80.4	83.2	87.9	90.7	92.5	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 700	5.6	69.2	80.4	83.2	87.9	90.7	92.5	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 600	5.6	69.2	80.4	83.2	87.9	91.6	93.5	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 500	5.6	70.1	81.3	85.1	89.7	93.5	95.3	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 400	5.6	70.1	81.3	85.1	89.7	93.5	95.3	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 300	5.6	70.1	81.3	85.1	89.7	93.5	95.3	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 200	5.6	70.1	81.3	85.1	89.7	93.5	95.3	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 100	5.6	70.1	81.3	85.1	89.7	93.5	95.3	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
0	5.6	70.1	81.3	85.1	89.7	93.5	95.3	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1

TOTAL NUMBER OF OBSERVATIONS

107

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-76

TELETYPE

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

04
HOURS (LST)

CEILING (FEET)		VISIBILITY (STATUTE MILES)													
		≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16	≥ ¼	≥ 0
NO CEILING		1.6	33.6	42.6	45.9	46.7	47.5	50.0	50.8	50.8	52.5	52.5	52.5	52.5	52.5
≥ 20000		1.6	36.9	45.9	49.2	50.8	51.6	54.1	54.9	54.9	56.6	56.6	56.6	56.6	56.6
18000		1.6	36.9	45.9	49.2	50.8	51.6	54.1	54.9	54.9	56.6	56.6	56.6	56.6	56.6
16000		1.6	36.9	45.9	49.2	50.8	51.6	54.1	54.9	54.9	56.6	56.6	56.6	56.6	56.6
14000		1.6	36.9	45.9	49.2	50.8	51.6	54.1	54.9	54.9	56.6	56.6	56.6	56.6	56.6
12000		1.6	37.7	46.7	50.0	51.6	52.5	54.9	55.7	55.7	57.4	57.4	57.4	57.4	57.4
10000		3.3	42.6	52.5	55.7	57.4	58.2	60.7	61.5	61.5	63.1	63.1	63.1	63.1	63.1
9000		3.3	43.4	53.3	56.6	58.2	59.0	61.5	62.3	62.3	63.9	63.9	63.9	63.9	63.9
8000		4.1	50.8	60.7	63.9	65.6	67.2	69.7	70.5	70.5	72.1	72.1	73.0	73.0	73.0
7000		4.1	51.6	62.3	65.6	67.2	68.9	71.3	72.1	72.1	73.8	73.8	74.6	74.6	74.6
6000		4.1	52.5	63.1	66.4	68.0	69.7	72.1	73.0	73.0	74.6	74.6	75.4	75.4	75.4
5000		4.1	53.3	64.8	68.9	70.5	72.1	74.6	75.4	75.4	77.1	77.1	77.9	77.9	77.9
4500		4.1	54.1	65.6	69.7	71.3	73.0	76.2	77.1	77.1	78.7	78.7	79.5	79.5	79.5
4000		4.1	54.9	66.4	71.3	73.0	74.6	77.9	78.7	78.7	80.3	80.3	81.2	81.2	81.2
3500		4.1	56.6	68.0	73.0	74.6	76.2	79.5	80.3	80.3	82.0	82.0	82.8	82.8	82.8
3000		4.1	59.0	71.3	76.2	77.9	79.5	82.8	83.6	83.6	85.3	85.3	86.1	86.1	86.1
2500		4.1	59.0	71.3	77.1	78.7	80.3	84.4	85.3	85.3	86.9	86.9	87.7	87.7	87.7
2000		4.1	59.0	71.3	77.9	79.5	81.2	85.3	86.1	86.1	87.7	87.7	88.5	88.5	88.5
1800		4.1	59.0	71.3	77.9	79.5	81.2	85.3	86.1	86.1	87.7	87.7	88.5	88.5	88.5
1500		4.1	59.0	71.3	77.9	80.3	82.0	86.1	86.9	86.9	88.5	88.5	89.3	89.3	89.3
1200		4.1	59.0	71.3	77.9	80.3	83.6	87.7	88.5	88.5	90.2	90.2	91.0	91.0	91.0
1000		4.1	59.8	73.0	79.5	82.0	85.3	91.0	91.8	91.8	93.4	93.4	94.3	94.3	94.3
900		4.1	59.8	73.0	80.3	83.6	87.7	93.4	94.3	94.3	95.9	95.9	96.7	96.7	96.7
800		4.1	59.8	73.0	80.3	83.6	87.7	93.4	94.3	94.3	95.9	95.9	96.7	96.7	96.7
700		4.1	59.8	73.0	80.3	83.6	87.7	93.4	94.3	94.3	95.9	95.9	96.7	96.7	96.7
600		4.1	59.8	73.0	80.3	83.6	87.7	93.4	94.3	94.3	95.9	95.9	96.7	96.7	96.7
500		4.1	59.8	73.0	80.3	83.6	87.7	93.4	94.3	94.3	95.9	95.9	96.7	96.7	96.7
400		4.1	59.8	73.0	80.3	83.6	87.7	93.4	94.3	94.3	95.9	95.9	96.7	96.7	96.7
300		4.1	59.8	73.0	80.3	84.4	88.5	94.3	95.1	95.1	98.4	98.4	98.4	98.4	98.4
200		4.1	59.8	73.0	80.3	84.4	88.5	94.3	95.1	95.1	98.4	98.4	99.2	99.2	99.2
100		4.1	59.8	73.0	80.3	84.4	88.5	94.3	95.1	95.1	98.4	98.4	99.2	99.2	99.2
0		4.1	59.8	73.0	80.3	84.4	88.5	94.3	95.1	95.1	98.4	98.4	99.2	99.2	99.2

TOTAL NUMBER OF OBSERVATIONS

122

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-77

YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

07
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	20.3	39.2	42.7	43.4	45.5	49.0	51.1	51.8	51.8	51.8	51.8	51.8	52.5	52.5
≥ 20000	21.0	41.3	44.8	45.5	47.6	51.1	53.2	53.9	53.9	53.9	53.9	53.9	54.6	54.6
≥ 18000	21.7	42.0	45.5	46.2	48.3	51.8	53.9	54.6	54.6	54.6	54.6	54.6	55.2	55.2
≥ 16000	21.7	42.0	45.5	46.2	48.3	51.8	53.9	54.6	54.6	54.6	54.6	54.6	55.2	55.2
≥ 14000	22.4	42.7	46.2	46.9	49.0	52.5	54.6	55.2	55.2	55.2	55.2	55.2	55.9	55.9
≥ 12000	23.1	43.4	46.9	47.6	49.7	53.2	55.2	55.9	55.9	55.9	55.9	55.9	56.6	56.6
≥ 10000	24.5	46.2	49.7	50.4	52.5	55.9	58.0	58.7	58.7	58.7	58.7	58.7	59.4	59.4
≥ 9000	24.5	46.9	50.4	51.1	53.2	56.6	58.7	59.4	59.4	59.4	59.4	59.4	60.1	60.1
≥ 8000	25.9	52.5	56.6	57.3	59.4	62.9	65.4	66.4	66.4	66.4	66.4	66.4	67.1	67.1
≥ 7000	26.6	53.2	57.3	58.0	60.8	64.3	67.1	67.8	67.8	67.8	67.8	67.8	68.5	68.5
≥ 6000	27.3	53.9	58.0	58.7	61.5	65.0	67.8	68.5	68.5	68.5	68.5	68.5	69.2	69.2
≥ 5000	28.0	55.9	60.1	60.8	63.6	67.1	69.9	70.6	70.6	70.6	70.6	70.6	71.3	71.3
≥ 4500	28.7	57.3	61.5	62.2	65.0	68.5	71.3	72.0	72.0	72.0	72.0	72.0	72.7	72.7
≥ 4000	28.7	57.3	62.2	62.9	66.4	69.9	72.7	73.4	73.4	73.4	73.4	73.4	74.1	74.1
≥ 3500	28.7	57.3	62.2	62.9	66.4	69.9	72.7	73.4	73.4	73.4	73.4	73.4	74.1	74.1
≥ 3000	29.4	58.7	63.6	64.3	69.2	74.1	76.9	77.6	77.6	77.6	77.6	77.6	78.3	78.3
≥ 2500	30.1	60.1	65.0	66.4	71.3	76.2	79.0	79.7	79.7	79.7	79.7	79.7	80.4	80.4
≥ 2000	30.8	62.2	67.8	69.2	74.1	79.0	82.5	83.2	83.2	83.2	83.2	83.2	83.9	83.9
≥ 1800	30.8	62.2	67.8	69.2	74.1	79.0	82.5	83.2	83.2	83.2	83.2	83.2	83.9	83.9
≥ 1500	30.8	64.3	70.6	72.0	77.6	82.5	86.0	86.7	86.7	86.7	86.7	86.7	87.4	87.4
≥ 1200	30.8	65.0	71.3	72.7	78.3	83.2	86.7	87.4	87.4	87.4	87.4	87.4	88.1	88.1
≥ 1000	30.8	65.0	71.3	72.7	78.3	83.2	86.7	87.4	87.4	87.4	87.4	87.4	88.1	88.1
≥ 900	30.8	65.0	71.3	72.7	78.3	83.2	86.7	87.4	87.4	87.4	87.4	87.4	88.1	88.1
≥ 800	30.8	65.0	71.3	72.7	78.3	83.2	86.7	87.4	87.4	87.4	87.4	87.4	88.1	88.1
≥ 700	30.8	65.0	71.3	72.7	78.3	83.2	86.7	87.4	87.4	87.4	87.4	87.4	88.1	88.1
≥ 600	30.8	65.7	73.4	74.8	81.8	87.4	93.0	93.7	93.7	93.7	93.7	93.7	94.4	94.4
≥ 500	30.8	65.7	74.1	75.5	83.2	90.9	96.5	97.2	97.2	97.2	97.2	97.2	97.9	97.9
≥ 400	30.8	65.7	74.1	75.5	83.2	90.9	97.2	98.6	98.6	98.6	98.6	98.6	99.3	99.3
≥ 300	30.8	66.4	74.8	76.2	83.9	91.6	97.9	99.3	99.3	99.3	99.3	99.3	100.0	100.0
≥ 200	30.8	66.4	74.8	76.2	83.9	91.6	97.9	99.3	99.3	99.3	99.3	99.3	100.0	100.0
≥ 100	30.8	66.4	74.8	76.2	83.9	91.6	97.9	99.3	99.3	99.3	99.3	99.3	100.0	100.0
≥ 0	30.8	66.4	74.8	76.2	83.9	91.6	97.9	99.3	99.3	99.3	99.3	99.3	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

143

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-77

YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING	19.4	37.5	42.4	42.4	45.1	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
≥ 20000	24.3	43.1	47.9	47.9	50.7	51.4	52.1	52.1	52.1	52.1	52.1	52.1	52.1
≥ 18000	24.3	43.1	47.9	47.9	50.7	51.4	52.1	52.1	52.1	52.1	52.1	52.1	52.1
≥ 16000	24.3	43.1	47.9	47.9	50.7	51.4	52.1	52.1	52.1	52.1	52.1	52.1	52.1
≥ 14000	24.3	43.8	48.6	48.6	51.4	52.1	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 12000	24.3	43.8	48.6	48.6	51.4	52.1	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 10000	27.1	47.9	52.8	52.8	55.6	56.3	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 9000	27.1	48.6	53.5	53.5	56.3	56.9	57.6	57.6	57.6	57.6	57.6	57.6	57.6
≥ 8000	28.5	52.8	58.3	58.3	61.1	62.5	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 7000	28.5	53.5	59.0	59.0	61.8	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 6000	28.5	53.5	59.0	59.0	61.8	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 5000	29.9	54.9	61.1	61.1	63.9	65.3	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 4500	30.6	56.3	62.5	62.5	65.3	66.7	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 4000	31.9	58.3	64.6	64.6	68.1	70.1	70.8	70.8	70.8	70.8	70.8	70.8	70.8
≥ 3500	32.6	59.7	66.0	66.0	69.4	72.2	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 3000	34.7	63.9	70.1	70.1	73.6	76.4	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 2500	34.7	66.0	72.2	72.2	75.7	79.2	79.9	80.6	80.6	80.6	80.6	80.6	80.6
≥ 2000	35.4	68.8	75.0	75.0	78.5	81.9	82.6	83.3	83.3	83.3	83.3	83.3	83.3
≥ 1800	35.4	68.8	75.0	75.0	78.5	81.9	82.6	83.3	83.3	83.3	83.3	83.3	83.3
≥ 1500	35.4	68.8	75.7	75.7	79.2	82.6	83.3	84.0	84.0	84.0	84.7	84.7	84.7
≥ 1200	35.4	70.1	77.1	77.1	81.3	85.4	86.1	86.8	86.8	86.8	87.5	87.5	87.5
≥ 1000	35.4	72.2	79.9	80.6	85.4	89.6	90.3	91.0	91.0	91.0	91.7	91.7	91.7
≥ 900	35.4	72.2	79.9	80.6	86.1	90.3	91.0	91.7	91.7	91.7	92.4	92.4	92.4
≥ 800	35.4	72.2	79.9	80.6	86.1	90.3	92.4	93.1	93.1	93.1	93.8	93.8	93.8
≥ 700	35.4	72.2	79.9	80.6	86.1	90.3	92.4	93.1	93.1	93.1	93.8	93.8	93.8
≥ 600	35.4	72.2	79.9	80.6	86.1	90.3	92.4	93.1	93.1	93.1	93.8	93.8	93.8
≥ 500	35.4	73.6	81.3	81.9	88.2	92.4	95.8	97.9	97.9	97.9	98.6	98.6	98.6
≥ 400	35.4	73.6	81.3	81.9	88.2	92.4	96.5	98.6	98.6	98.6	99.3	99.3	99.3
≥ 300	35.4	73.6	81.3	81.9	88.2	92.4	97.2	99.3	99.3	99.3	100.0	100.0	100.0
≥ 200	35.4	73.6	81.3	81.9	88.2	92.4	97.2	99.3	99.3	99.3	100.0	100.0	100.0
≥ 100	35.4	73.6	81.3	81.9	88.2	92.4	97.2	99.3	99.3	99.3	100.0	100.0	100.0
0	35.4	73.6	81.3	81.9	88.2	92.4	97.2	99.3	99.3	99.3	100.0	100.0	100.0

144

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

13773

QUANTICO, VIRGINIA

73-77

MAY

STATION NAME

YEARS

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13

MOORE (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	21.0	37.8	39.2	40.6	41.3	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
≥ 20000	25.9	44.8	46.2	47.6	48.3	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 18000	25.9	44.8	46.2	47.6	48.3	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 16000	25.9	44.8	46.2	47.6	48.3	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 14000	25.9	44.8	46.2	47.6	48.3	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 12000	28.0	46.9	48.3	49.7	50.4	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 10000	29.4	49.7	51.1	52.5	53.2	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥ 9000	29.4	50.4	51.8	53.2	53.9	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
≥ 8000	30.8	58.0	59.4	60.8	61.5	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
≥ 7000	30.8	58.7	60.1	61.5	62.2	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
≥ 6000	31.5	59.4	60.8	62.2	62.9	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥ 5000	35.0	65.0	66.4	67.8	68.5	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 4500	35.0	65.0	66.4	67.8	68.5	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 4000	36.4	67.1	68.5	69.9	70.6	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 3500	38.5	72.0	73.4	74.8	76.2	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 3000	42.0	76.2	77.6	79.0	81.1	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
≥ 2500	42.7	78.3	80.4	81.8	83.9	85.3	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 2000	43.4	80.4	82.5	83.9	86.0	88.1	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 1800	43.4	80.4	82.5	83.9	86.0	88.1	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 1500	43.4	80.4	82.5	83.9	86.0	88.1	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 1200	43.4	81.1	83.2	84.6	86.7	88.8	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 1000	43.4	83.9	86.0	87.4	90.2	93.0	94.4	95.1	95.1	95.1	95.1	95.1	95.1
≥ 900	43.4	83.9	86.0	87.4	90.2	93.0	94.4	95.1	95.1	95.1	95.1	95.1	95.1
≥ 800	43.4	83.9	86.0	87.4	90.2	93.0	94.4	95.1	95.1	95.1	95.1	95.1	95.1
≥ 700	43.4	83.9	86.7	88.1	90.9	93.7	95.1	95.8	95.8	95.8	95.8	95.8	95.8
≥ 600	43.4	83.9	86.7	88.1	91.6	94.4	95.8	96.5	96.5	96.5	96.5	96.5	96.5
≥ 500	43.4	83.9	86.7	88.1	91.6	94.4	95.8	97.2	97.9	97.9	97.9	97.9	97.9
≥ 400	43.4	84.6	87.4	89.5	93.0	95.8	97.9	99.3	99.3	100.0	100.0	100.0	100.0
≥ 300	43.4	84.6	87.4	89.5	93.0	95.8	97.9	99.3	99.3	100.0	100.0	100.0	100.0
≥ 200	43.4	84.6	87.4	89.5	93.0	95.8	97.9	99.3	99.3	100.0	100.0	100.0	100.0
≥ 100	43.4	84.6	87.4	89.5	93.0	95.8	97.9	99.3	99.3	100.0	100.0	100.0	100.0
≥ 0	43.4	84.6	87.4	89.5	93.0	95.8	97.9	99.3	99.3	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

143

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-77

YEARS

MAY
MONTH

16
DAYS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	25.0	32.3	33.1	33.1	33.1	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9
≥ 20000	31.5	41.1	41.9	41.9	41.9	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 18000	31.5	41.1	41.9	41.9	41.9	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 16000	31.5	41.1	41.9	41.9	41.9	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 14000	31.5	41.1	41.9	41.9	41.9	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 12000	32.3	42.7	43.6	43.6	43.6	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
≥ 10000	33.9	45.2	46.0	46.0	46.0	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 9000	34.7	46.0	46.8	46.8	46.8	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
≥ 8000	37.9	52.4	54.0	54.0	55.7	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 7000	38.7	53.2	54.8	54.8	56.5	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 6000	39.5	54.0	55.7	55.7	57.3	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 5000	39.5	54.8	56.5	56.5	58.1	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
≥ 4500	41.1	56.5	58.1	58.1	59.7	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 4000	43.6	62.9	64.5	64.5	66.1	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
≥ 3500	44.4	65.3	67.7	67.7	69.4	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 3000	48.4	76.6	79.0	79.0	80.7	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
≥ 2500	48.4	78.2	80.7	80.7	82.3	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 2000	49.2	81.5	83.9	84.7	86.3	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 1800	49.2	81.5	83.9	84.7	86.3	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 1500	49.2	81.5	83.9	84.7	86.3	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 1200	49.2	82.3	84.7	85.5	87.1	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 1000	49.2	83.1	86.3	87.1	88.7	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 900	49.2	83.1	86.3	87.1	88.7	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 800	49.2	83.1	86.3	87.1	88.7	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 700	49.2	83.9	87.1	88.7	90.3	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 600	49.2	83.9	87.1	88.7	90.3	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 500	49.2	84.7	88.7	90.3	91.9	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 400	49.2	84.7	88.7	90.3	92.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 300	49.2	84.7	88.7	90.3	92.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 200	49.2	84.7	88.7	90.3	92.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 100	49.2	84.7	88.7	90.3	92.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
0	49.2	84.7	88.7	90.3	92.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0

TOTAL NUMBER OF OBSERVATIONS

124

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-77

YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

19
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼
NO CEILING	25.2	40.0	40.9	40.9	40.9	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
≥ 20000	37.3	53.6	55.5	55.5	56.4	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 18000	37.3	53.6	55.5	55.5	56.4	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 16000	37.3	53.6	55.5	55.5	56.4	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 14000	37.3	53.6	55.5	55.5	56.4	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 12000	41.8	59.1	60.9	60.9	61.8	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 10000	43.6	65.5	67.3	67.3	68.2	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
≥ 9000	43.6	65.5	67.3	67.3	68.2	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
≥ 8000	45.5	70.0	72.7	74.6	75.5	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
≥ 7000	45.5	70.0	72.7	74.6	75.5	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
≥ 6000	46.4	70.9	73.6	76.4	77.3	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
≥ 5000	46.4	71.8	74.6	77.3	78.2	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
≥ 4500	46.4	71.8	74.6	78.2	79.1	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 4000	47.3	74.6	77.3	82.7	84.6	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 3500	48.2	76.4	79.1	84.6	86.4	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 3000	50.0	80.9	83.6	89.1	91.8	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 2500	50.0	80.9	83.6	89.1	91.8	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 2000	50.0	80.9	83.6	89.1	91.8	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 1800	50.0	80.9	83.6	89.1	91.8	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 1500	50.0	80.9	83.6	89.1	91.8	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 1200	50.0	80.9	83.6	89.1	91.8	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 1000	50.0	80.9	83.6	89.1	92.7	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 900	50.0	80.9	83.6	89.1	92.7	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 800	50.0	80.9	83.6	89.1	92.7	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 700	50.0	80.9	83.6	89.1	92.7	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 600	50.0	81.8	84.6	90.0	93.6	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 500	50.0	81.8	84.6	90.0	93.6	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 400	50.0	81.8	84.6	90.0	93.6	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 300	50.0	81.8	84.6	90.0	93.6	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 200	50.0	81.8	84.6	90.0	93.6	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 100	50.0	81.8	84.6	90.0	93.6	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
0	50.0	81.8	84.6	90.0	93.6	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3

TOTAL NUMBER OF OBSERVATIONS

110

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-76

YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

22
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	4.7	41.1	42.1	43.9	48.6	49.3	49.3	50.5	50.5	50.5	50.5	50.5	50.5	50.5
≥ 20000	5.6	47.7	49.5	51.4	56.1	57.0	57.0	57.9	57.9	57.9	57.9	57.9	57.9	57.9
≥ 18000	5.6	47.7	49.5	51.4	56.1	57.0	57.0	57.9	57.9	57.9	57.9	57.9	57.9	57.9
≥ 16000	5.6	47.7	49.5	51.4	56.1	57.0	57.0	57.9	57.9	57.9	57.9	57.9	57.9	57.9
≥ 14000	5.6	48.6	50.5	52.3	57.0	57.9	57.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
≥ 12000	5.6	52.3	54.2	56.1	60.8	61.7	61.7	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 10000	5.6	56.1	58.9	60.8	65.4	66.4	66.4	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 9000	5.6	56.1	58.9	60.8	65.4	66.4	66.4	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 8000	7.5	61.7	64.5	66.4	72.0	72.9	72.9	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 7000	7.5	61.7	64.5	66.4	72.0	72.9	72.9	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 6000	7.5	62.6	65.4	67.3	72.9	74.8	74.8	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 5000	7.5	63.6	66.4	68.2	73.8	75.7	75.7	76.6	76.6	76.6	76.6	76.6	76.6	76.6
≥ 4500	7.5	63.6	68.2	70.1	75.7	77.6	77.6	78.5	78.5	78.5	78.5	78.5	78.5	78.5
≥ 4000	7.5	64.5	69.2	71.0	77.6	79.4	79.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥ 3500	8.4	66.4	71.0	72.9	79.4	81.3	81.3	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 3000	8.4	67.3	73.8	75.7	82.2	86.0	86.0	86.9	86.9	86.9	86.9	86.9	86.9	86.9
≥ 2500	8.4	69.2	76.6	78.5	85.1	88.8	88.8	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 2000	8.4	70.1	77.6	79.4	86.0	90.7	91.6	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 1800	8.4	70.1	77.6	79.4	86.0	90.7	91.6	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 1500	8.4	70.1	77.6	80.4	86.9	91.6	92.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 1200	8.4	70.1	77.6	80.4	86.9	91.6	92.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 1000	8.4	72.0	79.4	82.2	88.8	93.5	94.4	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 900	8.4	72.0	79.4	82.2	88.8	93.5	94.4	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 800	8.4	72.0	79.4	82.2	88.8	93.5	94.4	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 700	8.4	72.0	79.4	82.2	88.8	93.5	94.4	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 600	8.4	72.0	79.4	82.2	88.8	94.4	95.3	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 500	8.4	72.0	80.4	83.2	89.7	95.3	96.3	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 400	8.4	72.0	80.4	83.2	89.7	95.3	96.3	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 300	8.4	72.0	80.4	83.2	89.7	95.3	96.3	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 200	8.4	72.0	80.4	83.2	89.7	95.3	96.3	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 100	8.4	72.0	80.4	83.2	89.7	95.3	96.3	98.1	98.1	98.1	98.1	98.1	98.1	98.1
0	8.4	72.0	80.4	83.2	89.7	95.3	96.3	98.1	98.1	98.1	98.1	98.1	98.1	98.1

TOTAL NUMBER OF OBSERVATIONS

107

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-77

YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	16.0	38.0	41.6	42.6	44.3	45.5	46.2	46.6	46.6	46.8	46.8	46.8	46.9	46.9	46.9
≥ 20000	19.4	44.2	48.0	49.0	50.9	52.1	52.9	53.3	53.3	53.5	53.5	53.5	53.6	53.6	53.6
≥ 18000	19.5	44.3	48.1	49.1	51.0	52.2	53.0	53.4	53.4	53.6	53.6	53.6	53.7	53.7	53.7
≥ 16000	19.5	44.3	48.1	49.1	51.0	52.2	53.0	53.4	53.4	53.6	53.6	53.6	53.7	53.7	53.7
≥ 14000	19.6	44.7	48.5	49.5	51.4	52.6	53.5	53.9	53.9	54.1	54.1	54.1	54.2	54.2	54.2
≥ 12000	20.6	46.5	50.3	51.3	53.2	54.4	55.3	55.7	55.7	55.9	55.9	55.9	56.0	56.0	56.0
≥ 10000	22.2	50.5	54.6	55.6	57.7	58.9	59.8	60.2	60.2	60.4	60.4	60.4	60.5	60.5	60.5
≥ 9000	22.3	51.0	55.1	56.1	58.2	59.4	60.3	60.7	60.7	60.9	60.9	60.9	61.0	61.0	61.0
≥ 8000	23.8	57.0	61.5	62.7	64.9	66.3	67.3	67.7	67.7	67.9	67.9	68.0	68.1	68.1	68.1
≥ 7000	24.0	57.5	62.1	63.3	65.6	67.0	68.0	68.4	68.4	68.6	68.6	68.7	68.8	68.8	68.8
≥ 6000	24.4	58.1	62.7	64.0	66.3	67.9	68.9	69.3	69.3	69.5	69.5	69.6	69.7	69.7	69.7
≥ 5000	25.2	59.8	64.7	66.1	68.4	70.0	71.0	71.4	71.4	71.6	71.6	71.7	71.8	71.8	71.8
≥ 4500	25.6	60.5	65.6	67.2	69.5	71.1	72.2	72.6	72.6	72.8	72.8	72.9	73.0	73.0	73.0
≥ 4000	26.4	62.7	67.9	69.9	72.6	74.4	75.5	75.9	75.9	76.1	76.1	76.2	76.3	76.3	76.3
≥ 3500	27.1	64.5	69.8	71.8	74.6	76.5	77.6	78.0	78.0	78.2	78.2	78.3	78.4	78.4	78.4
≥ 3000	28.7	68.5	74.2	76.2	79.5	81.8	82.9	83.3	83.3	83.5	83.5	83.7	83.8	83.8	83.8
≥ 2500	28.9	69.7	75.7	77.9	81.2	83.8	85.1	85.6	85.6	85.8	85.8	86.0	86.1	86.1	86.1
≥ 2000	29.3	71.3	77.4	79.8	83.1	86.0	87.5	88.0	88.0	88.3	88.3	88.5	88.6	88.6	88.6
≥ 1800	29.3	71.3	77.4	79.8	83.1	86.0	87.5	88.0	88.0	88.3	88.3	88.5	88.6	88.6	88.6
≥ 1500	29.3	71.6	77.9	80.4	83.9	86.9	88.4	88.9	88.9	89.2	89.3	89.5	89.6	89.6	89.6
≥ 1200	29.3	72.1	78.4	80.9	84.6	87.9	89.5	90.1	90.1	90.4	90.5	90.7	90.8	90.8	90.8
≥ 1000	29.3	73.3	79.9	82.5	86.6	90.0	91.9	92.9	92.9	93.2	93.4	93.6	93.7	93.7	93.7
900	29.3	73.3	79.9	82.6	87.0	90.5	92.4	93.4	93.4	93.7	93.9	94.1	94.2	94.2	94.2
800	29.3	73.3	79.9	82.6	87.0	90.6	92.8	93.8	93.8	94.1	94.3	94.5	94.6	94.6	94.6
700	29.3	73.4	80.2	83.0	87.4	91.2	93.5	94.6	94.6	94.9	95.1	95.3	95.4	95.4	95.4
600	29.3	73.6	80.5	83.3	87.8	91.9	94.2	95.3	95.3	95.6	95.8	96.0	96.1	96.1	96.1
500	29.3	74.0	81.2	84.1	88.8	93.2	95.9	97.3	97.5	98.1	98.4	98.6	98.7	98.7	98.7
400	29.3	74.1	81.3	84.3	89.1	93.5	96.6	98.3	98.5	98.9	99.2	99.4	99.5	99.5	99.5
300	29.3	74.2	81.4	84.4	89.2	93.6	96.8	98.5	98.8	99.2	99.6	99.8	99.9	99.9	99.9
200	29.3	74.2	81.4	84.4	89.3	93.7	96.9	98.6	98.9	99.3	99.7	99.9	100.0	100.0	100.0
100	29.3	74.2	81.4	84.4	89.3	93.7	96.9	98.6	98.9	99.3	99.7	99.9	100.0	100.0	100.0
0	29.3	74.2	81.4	84.4	89.3	93.7	96.9	98.6	98.9	99.3	99.7	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1000

CEILING VERSUS VISIBILITY

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-75

YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

01
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	3.3	42.2	44.4	54.4	56.7	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 20000	4.4	46.7	50.0	61.1	63.3	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 18000	4.4	46.7	50.0	61.1	63.3	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 16000	4.4	46.7	50.0	61.1	63.3	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 14000	4.4	46.7	50.0	61.1	63.3	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 12000	4.4	47.8	51.1	62.2	64.4	67.8	67.8	67.8	67.8	67.8	67.8	67.8
≥ 10000	4.4	48.9	53.3	64.4	66.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 9000	4.4	48.9	53.3	64.4	66.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 8000	4.4	51.1	55.6	66.7	70.0	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 7000	4.4	51.1	55.6	66.7	70.0	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 6000	4.4	51.1	55.6	66.7	70.0	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 5000	4.4	51.1	55.6	66.7	70.0	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 4500	4.4	51.1	55.6	66.7	70.0	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 4000	4.4	53.3	58.9	70.0	73.3	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 3500	4.4	54.4	60.0	71.1	74.4	77.8	77.8	77.8	77.8	77.8	77.8	77.8
≥ 3000	4.4	58.9	65.6	77.8	81.1	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 2500	4.4	58.9	66.7	78.9	82.2	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 2000	4.4	58.9	70.0	82.2	86.7	87.8	91.1	91.1	91.1	91.1	91.1	91.1
≥ 1800	4.4	58.9	70.0	83.3	88.9	90.0	93.3	93.3	93.3	93.3	93.3	93.3
≥ 1500	4.4	58.9	70.0	83.3	90.0	91.1	94.4	94.4	94.4	94.4	94.4	94.4
≥ 1200	4.4	60.0	71.1	84.4	91.1	92.2	95.6	95.6	95.6	95.6	95.6	95.6
≥ 1000	4.4	60.0	71.1	86.7	93.3	94.4	97.8	97.8	97.8	97.8	97.8	97.8
≥ 900	4.4	60.0	71.1	86.7	93.3	94.4	97.8	97.8	97.8	97.8	97.8	97.8
≥ 800	4.4	61.1	72.2	87.8	94.4	95.6	98.9	98.9	98.9	98.9	98.9	98.9
≥ 700	4.4	61.1	72.2	87.8	94.4	95.6	98.9	98.9	98.9	98.9	98.9	98.9
≥ 600	4.4	61.1	72.2	87.8	94.4	95.6	98.9	98.9	98.9	98.9	98.9	98.9
≥ 500	4.4	61.1	72.2	87.8	94.4	95.6	98.9	98.9	98.9	98.9	98.9	98.9
≥ 400	4.4	61.1	72.2	87.8	94.4	95.6	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	4.4	61.1	72.2	87.8	94.4	95.6	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	4.4	61.1	72.2	87.8	94.4	95.6	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	4.4	61.1	72.2	87.8	94.4	95.6	100.0	100.0	100.0	100.0	100.0	100.0
0	4.4	61.1	72.2	87.8	94.4	95.6	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

90

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-76

YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

04
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING	3.4	30.3	37.8	43.7	47.9	48.7	50.4	50.4	51.3	51.3	51.3	51.3	51.3
≥ 20000	3.4	37.0	44.5	51.3	55.5	56.3	58.0	58.0	58.8	58.8	58.8	58.8	58.8
≥ 18000	3.4	37.0	44.5	51.3	55.5	56.3	58.0	58.0	58.8	58.8	58.8	58.8	58.8
≥ 16000	3.4	37.0	44.5	51.3	55.5	56.3	58.0	58.0	58.8	58.8	58.8	58.8	58.8
≥ 14000	3.4	37.0	44.5	51.3	55.5	56.3	58.0	58.0	58.8	58.8	58.8	58.8	58.8
≥ 12000	3.4	37.0	44.5	51.3	55.5	56.3	58.0	58.0	58.8	58.8	58.8	58.8	58.8
≥ 10000	3.4	41.2	49.6	57.1	62.2	63.0	64.7	64.7	65.6	65.6	65.6	66.4	66.4
≥ 9000	3.4	41.2	49.6	57.1	62.2	63.0	64.7	64.7	65.6	65.6	65.6	66.4	66.4
≥ 8000	3.4	44.5	52.9	60.5	66.4	68.1	69.8	69.8	70.6	70.6	70.6	71.4	71.4
≥ 7000	3.4	45.4	53.8	61.3	67.2	68.9	70.6	70.6	71.4	71.4	71.4	72.3	72.3
≥ 6000	3.4	45.4	53.8	61.3	67.2	68.9	70.6	70.6	71.4	71.4	71.4	72.3	72.3
≥ 5000	3.4	47.1	55.5	63.0	68.9	70.6	72.3	72.3	73.1	73.1	73.1	74.0	74.0
≥ 4500	3.4	47.9	56.3	63.9	69.8	71.4	73.1	73.1	74.0	74.0	74.0	74.8	74.8
≥ 4000	3.4	49.6	58.8	66.4	72.3	74.0	75.6	75.6	76.5	76.5	76.5	77.3	77.3
≥ 3500	3.4	49.6	58.8	66.4	72.3	74.0	75.6	75.6	76.5	76.5	76.5	77.3	77.3
≥ 3000	3.4	54.6	66.4	74.8	81.5	83.2	84.9	84.9	85.7	86.6	86.6	87.4	87.4
≥ 2500	3.4	57.1	70.6	79.0	86.6	88.2	89.9	89.9	90.8	91.6	91.6	92.4	92.4
≥ 2000	3.4	57.1	70.6	79.0	86.6	88.2	89.9	89.9	90.8	91.6	91.6	92.4	92.4
≥ 1800	3.4	57.1	70.6	79.0	86.6	88.2	89.9	89.9	90.8	91.6	91.6	92.4	92.4
≥ 1500	3.4	58.0	71.4	79.8	87.4	89.1	91.6	91.6	92.4	93.3	93.3	94.1	94.1
≥ 1200	3.4	58.0	72.3	80.7	88.2	89.9	92.4	92.4	93.3	95.0	95.0	95.8	95.8
≥ 1000	3.4	58.0	72.3	80.7	88.2	89.9	92.4	92.4	93.3	95.0	95.0	95.8	95.8
≥ 900	3.4	58.0	72.3	80.7	88.2	89.9	92.4	92.4	93.3	95.0	95.0	95.8	95.8
≥ 800	3.4	58.8	73.1	81.5	89.1	90.8	93.3	93.3	94.1	95.8	95.8	96.6	96.6
≥ 700	3.4	58.8	73.1	81.5	89.1	91.6	94.1	94.1	95.0	96.6	96.6	97.5	97.5
≥ 600	3.4	58.8	73.1	82.4	89.9	92.4	95.0	95.0	95.8	97.5	97.5	98.3	98.3
≥ 500	3.4	58.8	73.1	82.4	89.9	92.4	95.0	95.0	95.8	97.5	97.5	98.3	98.3
≥ 400	3.4	58.8	73.1	82.4	89.9	92.4	95.0	95.0	95.8	97.5	97.5	98.3	98.3
≥ 300	3.4	58.8	73.1	82.4	89.9	92.4	95.0	95.0	95.8	97.5	97.5	98.3	98.3
≥ 200	3.4	58.8	73.1	82.4	89.9	92.4	95.0	95.0	95.8	97.5	97.5	98.3	98.3
≥ 100	3.4	58.8	73.1	82.4	89.9	92.4	95.0	95.0	95.8	97.5	97.5	98.3	98.3
≥ 0	3.4	58.8	73.1	82.4	89.9	92.4	95.0	95.0	95.8	97.5	97.5	98.3	98.3

TOTAL NUMBER OF OBSERVATIONS 119

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13773
STATIONQUANTICO, VIRGINIA
STATION NAME

73-77

YEARS

JUN
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)07
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	12.0	28.2	33.1	38.0	39.4	41.6	42.3	43.7	43.7	44.4	45.1	45.1
≥ 20000	14.1	33.8	39.4	44.4	45.8	47.9	48.6	50.0	50.0	50.7	51.4	51.4
≥ 18000	14.1	33.8	39.4	44.4	45.8	47.9	48.6	50.0	50.0	50.7	51.4	51.4
≥ 16000	14.1	33.8	39.4	44.4	45.8	47.9	48.6	50.0	50.0	50.7	51.4	51.4
≥ 14000	14.1	33.8	39.4	44.4	45.8	47.9	48.6	50.0	50.0	50.7	51.4	51.4
≥ 12000	14.1	35.2	40.9	45.8	47.2	49.3	50.0	51.4	51.4	52.1	52.8	52.8
≥ 10000	16.2	40.9	47.2	52.1	53.5	55.6	56.3	57.8	57.8	58.5	59.2	59.2
≥ 9000	16.2	40.9	47.2	52.1	53.5	55.6	56.3	57.8	57.8	58.5	59.2	59.2
≥ 8000	18.3	47.9	54.9	59.9	61.3	64.1	65.3	66.9	66.9	67.6	68.3	68.3
≥ 7000	18.3	48.6	55.6	60.6	62.0	64.8	66.9	68.3	68.3	69.0	69.7	69.7
≥ 6000	18.3	48.6	55.6	60.6	62.0	64.8	66.9	68.3	68.3	69.0	69.7	69.7
≥ 5000	19.0	50.0	57.0	62.7	64.1	66.9	69.0	70.4	70.4	71.1	71.8	71.8
≥ 4500	19.0	50.0	57.0	62.7	64.1	66.9	69.0	70.4	70.4	71.1	71.8	71.8
≥ 4000	19.7	51.4	58.5	64.1	65.5	69.0	71.1	72.5	72.5	73.2	73.9	73.9
≥ 3500	19.7	51.4	58.5	64.1	65.5	69.0	71.1	72.5	72.5	73.2	73.9	73.9
≥ 3000	20.4	53.5	60.6	66.2	68.3	71.8	74.7	76.1	76.1	76.8	77.5	77.5
≥ 2500	21.1	56.3	63.4	69.7	71.8	76.1	78.9	80.3	80.3	81.0	81.7	81.7
≥ 2000	21.1	57.8	64.8	71.1	73.9	78.2	81.0	82.4	82.4	83.1	83.8	83.8
≥ 1800	21.1	57.8	64.8	71.1	73.9	78.2	81.0	82.4	82.4	83.1	83.8	83.8
≥ 1500	21.1	57.8	64.8	71.1	73.9	78.2	81.0	82.4	82.4	83.1	83.8	83.8
≥ 1200	21.1	59.9	66.9	73.9	79.6	84.5	88.0	90.1	90.1	90.9	91.6	91.6
≥ 1000	21.1	59.9	66.9	74.7	80.3	85.2	88.7	90.9	90.9	91.6	92.3	92.3
≥ 900	21.1	59.9	66.9	74.7	81.0	85.9	89.4	91.6	91.6	92.3	93.0	93.0
≥ 800	21.1	60.6	67.6	75.4	81.7	86.6	90.1	92.3	92.3	93.7	94.4	94.4
≥ 700	21.1	60.6	67.6	76.1	82.4	87.3	90.9	93.0	93.0	94.4	95.1	95.1
≥ 600	21.1	60.6	67.6	76.1	82.4	88.7	92.3	94.4	94.4	95.8	96.5	96.5
≥ 500	21.1	60.6	67.6	76.1	82.4	88.7	93.0	95.1	95.1	96.5	97.2	97.2
≥ 400	21.1	60.6	67.6	76.1	82.4	88.7	93.0	95.1	95.1	96.5	97.2	97.2
≥ 300	21.1	60.6	68.3	76.8	83.1	89.4	93.7	97.2	97.2	98.6	99.3	99.3
≥ 200	21.1	60.6	68.3	76.8	83.1	89.4	93.7	97.2	97.2	98.6	99.3	99.3
≥ 100	21.1	60.6	68.3	76.8	83.1	89.4	93.7	97.2	97.2	98.6	99.3	99.3
≥ 0	21.1	60.6	68.3	76.8	83.1	89.4	93.7	97.2	97.2	98.6	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

142

CEILING VERSUS VISIBILITY

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-77

YEARS

JUN

MONTH

10

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16	≥ ¼
NO CEILING	17.6	36.6	43.0	44.4	46.5	46.5	46.5	47.2	47.2	47.9	47.9	47.9	47.9
≥ 20000	19.7	42.3	49.3	51.4	53.5	53.5	53.5	54.2	54.2	54.9	54.9	54.9	54.9
≥ 18000	19.7	42.3	49.3	51.4	53.5	53.5	53.5	54.2	54.2	54.9	54.9	54.9	54.9
≥ 16000	19.7	42.3	49.3	51.4	53.5	53.5	53.5	54.2	54.2	54.9	54.9	54.9	54.9
≥ 14000	19.7	42.3	49.3	51.4	53.5	53.5	53.5	54.2	54.2	54.9	54.9	54.9	54.9
≥ 12000	20.4	43.0	50.0	52.1	54.2	54.2	54.2	54.9	54.9	55.6	55.6	55.6	55.6
≥ 10000	21.8	46.5	55.6	57.8	59.9	59.9	59.9	60.6	60.6	61.3	61.3	61.3	61.3
≥ 9000	21.8	46.5	55.6	57.8	59.9	59.9	59.9	60.6	60.6	61.3	61.3	61.3	61.3
≥ 8000	24.7	51.4	60.6	62.7	64.8	65.5	65.5	66.2	66.2	66.9	66.9	66.9	66.9
≥ 7000	24.7	52.8	62.0	64.1	66.2	66.9	66.9	67.6	67.6	68.3	68.3	68.3	68.3
≥ 6000	24.7	53.5	62.7	64.8	66.9	67.6	67.6	68.3	68.3	69.0	69.0	69.0	69.0
≥ 5000	24.7	54.2	63.4	65.5	67.6	68.3	68.3	69.0	69.0	69.7	69.7	69.7	69.7
≥ 4500	24.7	54.2	63.4	65.5	67.6	68.3	68.3	69.0	69.0	69.7	69.7	69.7	69.7
≥ 4000	24.7	54.9	64.1	66.2	68.3	69.0	69.0	69.7	69.7	70.4	70.4	70.4	70.4
≥ 3500	25.4	56.3	65.5	67.6	70.4	71.1	71.1	71.8	71.8	72.5	72.5	72.5	72.5
≥ 3000	25.4	57.8	66.9	69.0	72.5	73.2	73.2	74.7	74.7	75.4	75.4	75.4	75.4
≥ 2500	25.4	59.2	68.3	70.4	73.9	74.7	74.7	76.1	76.1	76.8	76.8	76.8	76.8
≥ 2000	26.1	63.4	72.5	74.7	79.6	80.3	81.0	81.7	81.7	82.4	82.4	82.4	82.4
≥ 1800	26.1	64.1	73.2	75.4	81.0	81.7	82.4	83.1	83.1	83.8	83.8	83.8	83.8
≥ 1500	26.1	66.9	76.1	78.9	84.5	85.9	86.6	87.3	87.3	88.0	88.0	88.0	88.0
≥ 1200	26.8	68.3	78.2	81.0	87.3	89.4	90.1	90.9	90.9	91.6	91.6	91.6	91.6
≥ 1000	26.8	71.8	81.7	84.5	91.6	93.7	94.4	95.1	95.1	95.8	95.8	95.8	95.8
≥ 900	26.8	71.8	82.4	86.6	93.0	95.1	95.8	96.5	96.5	97.2	97.2	97.2	97.2
≥ 800	27.5	72.5	83.1	88.0	94.4	96.5	97.2	97.9	97.9	98.6	98.6	98.6	98.6
≥ 700	27.5	73.2	83.8	88.7	95.1	97.2	97.9	98.6	98.6	99.3	99.3	99.3	99.3
≥ 600	27.5	73.2	83.8	88.7	95.1	97.2	97.9	98.6	98.6	99.3	99.3	99.3	99.3
≥ 500	27.5	73.2	83.8	88.7	95.8	97.9	98.6	99.3	99.3	100.0	100.0	100.0	100.0
≥ 400	27.5	73.2	83.8	88.7	95.8	97.9	98.6	99.3	99.3	100.0	100.0	100.0	100.0
≥ 300	27.5	73.2	83.8	88.7	95.8	97.9	98.6	99.3	99.3	100.0	100.0	100.0	100.0
≥ 200	27.5	73.2	83.8	88.7	95.8	97.9	98.6	99.3	99.3	100.0	100.0	100.0	100.0
≥ 100	27.5	73.2	83.8	88.7	95.8	97.9	98.6	99.3	99.3	100.0	100.0	100.0	100.0
≥ 0	27.5	73.2	83.8	88.7	95.8	97.9	98.6	99.3	99.3	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

142

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-77

YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	18.3	38.0	40.1	43.7	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
≥ 20000	21.1	44.4	46.5	50.0	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 18000	21.1	44.4	46.5	50.0	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 16000	21.1	44.4	46.5	50.0	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 14000	21.1	45.1	47.9	51.4	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 12000	21.8	46.5	49.3	52.8	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
≥ 10000	23.2	49.3	52.1	55.6	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 9000	23.2	50.0	53.5	57.0	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
≥ 8000	26.1	54.2	57.8	61.3	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 7000	26.8	56.3	59.9	63.4	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 6000	26.8	56.3	59.9	63.4	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 5000	27.5	59.2	62.7	66.9	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
≥ 4500	27.5	59.2	62.7	66.9	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
≥ 4000	27.5	59.9	64.1	69.0	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
≥ 3500	28.2	62.0	66.2	71.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 3000	31.7	71.8	76.1	81.0	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 2500	32.4	74.7	78.9	84.5	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 2000	33.1	76.1	81.0	86.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1800	33.1	76.1	81.0	86.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1500	33.8	77.5	82.4	88.0	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 1200	33.8	77.5	82.4	88.0	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 1000	33.8	78.2	83.1	88.7	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 900	33.8	78.2	83.1	88.7	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 800	33.8	78.2	83.1	88.7	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 700	33.8	78.9	83.8	89.5	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 600	33.8	78.9	83.8	89.5	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 500	33.8	78.9	83.8	89.5	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 400	33.8	78.9	83.8	89.5	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 300	33.8	78.9	83.8	89.5	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 200	33.8	78.9	83.8	89.5	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 100	33.8	78.9	83.8	89.5	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
0	33.8	78.9	83.8	89.5	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2

TOTAL NUMBER OF OBSERVATIONS

142

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

13773

QUANTICO, VIRGINIA

73-77

JUN

STATION NAME

YEARS

MOUTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

16
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	22.0	44.7	46.3	50.4	53.7	53.7	54.5	54.5	54.5	54.5	54.5	54.5
≥ 20000	30.1	56.9	58.5	62.6	65.9	65.9	66.7	66.7	66.7	66.7	66.7	66.7
≥ 18000	30.1	56.9	58.5	62.6	65.9	65.9	66.7	66.7	66.7	66.7	66.7	66.7
≥ 16000	30.1	56.9	58.5	62.6	65.9	65.9	66.7	66.7	66.7	66.7	66.7	66.7
≥ 14000	30.1	56.9	58.5	62.6	65.9	65.9	66.7	66.7	66.7	66.7	66.7	66.7
≥ 12000	30.1	57.7	59.4	63.4	66.7	66.7	67.5	67.5	67.5	67.5	67.5	67.5
≥ 10000	30.1	58.5	60.2	64.2	67.5	67.5	68.3	68.3	68.3	68.3	68.3	68.3
≥ 9000	30.1	59.4	61.0	65.0	68.3	68.3	69.1	69.1	69.1	69.1	69.1	69.1
≥ 8000	30.1	65.9	67.5	71.5	74.8	74.8	75.6	75.6	75.6	75.6	75.6	75.6
≥ 7000	30.1	66.7	68.3	72.4	75.6	75.6	76.4	76.4	76.4	76.4	76.4	76.4
≥ 6000	30.1	66.7	68.3	72.4	75.6	75.6	76.4	76.4	76.4	76.4	76.4	76.4
≥ 5000	30.9	68.3	69.9	74.0	77.2	77.2	78.1	78.1	78.1	78.1	78.1	78.1
≥ 4500	30.9	69.1	70.7	74.8	78.1	78.1	78.9	78.9	78.9	78.9	78.9	78.9
≥ 4000	31.7	70.7	72.4	77.2	80.5	80.5	81.3	81.3	81.3	81.3	81.3	81.3
≥ 3500	31.7	70.7	73.2	78.1	81.3	81.3	82.1	82.1	82.1	82.1	82.1	82.1
≥ 3000	33.3	74.8	77.2	82.1	85.4	85.4	86.2	86.2	86.2	86.2	86.2	86.2
≥ 2500	34.2	76.4	78.9	84.6	87.8	87.8	88.6	88.6	88.6	88.6	88.6	88.6
≥ 2000	35.0	79.7	82.1	87.8	91.1	91.1	91.9	91.9	91.9	91.9	91.9	91.9
≥ 1800	35.0	79.7	82.1	87.8	91.1	91.1	91.9	91.9	91.9	91.9	91.9	91.9
≥ 1500	35.0	79.7	82.9	89.4	92.7	92.7	93.5	93.5	93.5	93.5	93.5	93.5
≥ 1200	35.0	79.7	82.9	89.4	92.7	92.7	93.5	93.5	93.5	93.5	93.5	93.5
≥ 1000	35.8	81.3	86.2	92.7	95.9	95.9	96.8	96.8	96.8	96.8	96.8	96.8
≥ 900	35.8	81.3	86.2	92.7	95.9	95.9	96.8	96.8	96.8	96.8	96.8	96.8
≥ 800	35.8	82.1	87.0	93.5	96.8	96.8	97.6	97.6	97.6	97.6	97.6	97.6
≥ 700	35.8	82.1	87.0	94.3	98.4	98.4	99.2	99.2	99.2	99.2	99.2	99.2
≥ 600	35.8	82.1	87.0	94.3	98.4	98.4	99.2	99.2	99.2	99.2	99.2	99.2
≥ 500	35.8	82.1	87.0	94.3	98.4	98.4	99.2	99.2	99.2	99.2	99.2	99.2
≥ 400	35.8	82.1	87.0	94.3	98.4	98.4	99.2	99.2	99.2	99.2	99.2	99.2
≥ 300	35.8	82.1	87.0	94.3	98.4	98.4	99.2	99.2	99.2	99.2	99.2	99.2
≥ 200	35.8	82.1	87.0	94.3	98.4	98.4	99.2	99.2	99.2	99.2	99.2	99.2
≥ 100	35.8	82.1	87.0	94.3	98.4	98.4	99.2	99.2	99.2	99.2	99.2	99.2
0	35.8	82.1	87.0	94.3	98.4	98.4	99.2	99.2	99.2	99.2	99.2	99.2

TOTAL NUMBER OF OBSERVATIONS

123

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13773
STATIONQUANTICO, VIRGINIA
STATION NAME

73-77

YEARS

JUN
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)19
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	25.0	46.2	51.0	51.0	52.9	52.9	52.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥ 20000	29.8	57.7	62.5	62.5	64.4	64.4	64.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 18000	29.8	57.7	62.5	62.5	64.4	64.4	64.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 16000	29.8	57.7	62.5	62.5	64.4	64.4	64.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 14000	29.8	57.7	62.5	62.5	64.4	64.4	64.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 12000	29.8	57.7	62.5	62.5	64.4	64.4	64.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 10000	32.7	66.4	72.1	72.1	74.0	74.0	74.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 9000	32.7	66.4	72.1	72.1	74.0	74.0	74.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 8000	32.7	71.2	76.9	76.9	78.9	78.9	78.9	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 7000	32.7	72.1	78.9	78.9	80.8	80.8	80.8	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 6000	32.7	72.1	78.9	78.9	80.8	80.8	80.8	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 5000	32.7	72.1	78.9	78.9	80.8	80.8	80.8	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 4500	32.7	73.1	79.8	79.8	81.7	81.7	81.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 4000	32.7	75.0	81.7	81.7	83.7	83.7	83.7	84.6	84.6	84.6	84.6	84.6	84.6	84.6
≥ 3500	33.7	76.0	82.7	82.7	84.6	84.6	84.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 3000	33.7	78.9	85.6	85.6	87.5	87.5	87.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥ 2500	33.7	78.9	85.6	85.6	87.5	87.5	87.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥ 2000	33.7	80.8	87.5	87.5	89.4	89.4	89.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 1800	33.7	80.8	87.5	87.5	89.4	89.4	89.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 1500	33.7	82.7	89.4	89.4	90.4	90.4	90.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 1200	34.6	83.7	91.4	91.4	92.3	92.3	92.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 1000	34.6	84.6	92.3	92.3	93.3	93.3	93.3	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 900	34.6	84.6	92.3	92.3	93.3	93.3	93.3	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 800	34.6	84.6	92.3	92.3	93.3	93.3	93.3	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 700	34.6	84.6	93.3	93.3	94.2	94.2	94.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 600	34.6	84.6	93.3	93.3	94.2	94.2	94.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 500	34.6	84.6	93.3	93.3	94.2	94.2	94.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 400	34.6	84.6	93.3	93.3	94.2	94.2	94.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 300	34.6	84.6	94.2	94.2	95.2	95.2	95.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 200	34.6	84.6	94.2	94.2	95.2	95.2	95.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 100	34.6	84.6	94.2	94.2	95.2	95.2	95.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
0	34.6	84.6	94.2	94.2	95.2	95.2	95.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2

TOTAL NUMBER OF OBSERVATIONS

104

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-76

YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

22
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	5.4	43.5	52.2	54.4	57.6	57.6	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 20000	5.4	45.7	54.4	56.5	59.8	59.8	60.9	60.9	60.9	60.9	60.9	60.9	60.9
AI 18000	5.4	45.7	54.4	56.5	59.8	59.8	60.9	60.9	60.9	60.9	60.9	60.9	60.9
AI 16000	5.4	45.7	54.4	56.5	59.8	59.8	60.9	60.9	60.9	60.9	60.9	60.9	60.9
AI 14000	5.4	45.7	54.4	56.5	59.8	59.8	60.9	60.9	60.9	60.9	60.9	60.9	60.9
AI 12000	5.4	46.7	56.5	58.7	62.0	62.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
AI 10000	6.5	50.0	60.9	63.0	66.3	66.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4
AI 9000	6.5	50.0	60.9	63.0	66.3	66.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4
AI 8000	6.5	51.1	63.0	65.2	68.5	68.5	69.6	69.6	69.6	69.6	69.6	69.6	69.6
AI 7000	6.5	54.4	66.3	68.5	71.7	71.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8
AI 6000	6.5	54.4	66.3	68.5	71.7	71.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8
AI 5000	6.5	55.4	67.4	69.6	72.8	72.8	73.9	73.9	73.9	73.9	73.9	73.9	73.9
AI 4500	6.5	55.4	68.5	71.7	75.0	75.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1
AI 4000	6.5	55.4	70.7	73.9	77.2	77.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3
AI 3500	6.5	57.6	73.9	77.2	82.6	82.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7
AI 3000	6.5	59.8	78.3	82.6	88.0	88.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1
AI 2500	6.5	59.8	78.3	82.6	88.0	88.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1
AI 2000	6.5	60.9	80.4	85.9	91.3	91.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4
AI 1600	6.5	60.9	80.4	85.9	91.3	91.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4
AI 1500	6.5	60.9	80.4	85.9	91.3	91.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4
AI 1200	6.5	62.0	82.6	88.0	93.5	93.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6
AI 1000	6.5	62.0	83.7	89.1	95.7	95.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
AI 900	6.5	62.0	83.7	89.1	95.7	95.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
AI 800	6.5	63.0	84.8	90.2	96.7	96.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8
AI 700	6.5	63.0	84.8	90.2	96.7	96.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8
AI 600	6.5	63.0	84.8	90.2	96.7	96.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8
AI 500	6.5	63.0	84.8	90.2	96.7	96.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8
AI 400	6.5	63.0	85.9	91.3	97.8	97.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
AI 300	6.5	63.0	85.9	91.3	97.8	97.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
AI 200	6.5	63.0	85.9	91.3	97.8	97.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
AI 100	6.5	63.0	85.9	91.3	97.8	97.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
AI 0	6.5	63.0	85.9	91.3	97.8	97.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9

TOTAL NUMBER OF OBSERVATIONS

92

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

13773

QUANTICO, VIRGINIA

73-77

JUN

STATION NAME

YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL

HOURLY (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING	13.9	38.1	42.8	46.7	49.4	49.8	50.6	51.1	51.1	51.4	51.5	51.5	51.5
≥ 20000	16.7	45.0	50.0	54.2	56.9	57.3	58.2	58.6	58.6	58.9	59.0	59.0	59.0
≥ 18000	16.7	45.0	50.0	54.2	56.9	57.3	58.2	58.6	58.6	58.9	59.0	59.0	59.0
≥ 16000	16.7	45.0	50.0	54.2	56.9	57.3	58.2	58.6	58.6	58.9	59.0	59.0	59.0
≥ 14000	16.7	45.1	50.3	54.5	57.2	57.7	58.5	58.9	58.9	59.2	59.3	59.3	59.3
≥ 12000	16.9	45.9	51.2	55.4	58.1	58.5	59.3	59.6	59.8	60.1	60.2	60.2	60.2
≥ 10000	18.0	49.7	55.8	60.1	62.9	63.3	64.2	64.6	64.6	64.9	65.0	65.1	65.1
≥ 9000	18.0	49.9	56.1	60.4	63.2	63.6	64.5	64.9	64.9	65.2	65.3	65.4	65.4
≥ 8000	19.2	54.4	60.8	65.1	68.2	69.0	69.9	70.3	70.3	70.7	70.8	70.9	70.9
≥ 7000	19.3	55.7	62.2	66.5	69.7	70.4	71.5	71.9	71.9	72.2	72.3	72.4	72.4
≥ 6000	19.3	55.8	62.3	66.6	69.8	70.6	71.6	72.0	72.0	72.3	72.4	72.5	72.5
≥ 5000	19.6	57.0	63.5	68.0	71.3	72.0	73.1	73.5	73.5	73.8	73.9	74.0	74.0
≥ 4500	19.6	57.3	63.9	68.6	71.8	72.5	73.6	74.0	74.0	74.3	74.4	74.5	74.5
≥ 4000	19.8	58.6	65.7	70.6	73.8	74.6	75.7	76.1	76.1	76.4	76.5	76.6	76.6
≥ 3500	20.1	59.5	66.9	71.7	75.3	76.1	77.3	77.7	77.7	78.0	78.1	78.2	78.2
≥ 3000	21.0	63.6	71.6	76.7	80.6	81.5	82.7	83.1	83.2	83.5	83.7	83.8	83.8
≥ 2500	21.3	65.2	73.5	79.0	83.1	84.1	85.3	85.7	85.9	86.2	86.3	86.4	86.4
≥ 2000	21.6	67.0	75.8	81.5	86.0	87.0	88.4	88.8	88.9	89.3	89.4	89.5	89.5
≥ 1800	21.6	67.1	75.9	81.7	86.4	87.4	88.8	89.2	89.3	89.7	89.8	89.9	89.9
≥ 1500	21.7	68.0	76.9	82.9	88.2	89.3	90.7	91.2	91.3	91.7	91.8	91.9	91.9
≥ 1200	21.9	68.9	78.2	84.4	89.8	91.3	92.8	93.3	93.4	93.8	93.9	94.0	94.0
≥ 1000	22.0	69.8	79.5	86.2	91.8	93.5	95.0	95.5	95.6	96.0	96.1	96.2	96.2
≥ 900	22.0	69.8	79.6	86.4	92.1	93.8	95.3	95.8	95.9	96.3	96.4	96.5	96.5
≥ 800	22.1	70.4	80.2	87.1	93.0	94.8	96.3	96.9	97.0	97.5	97.6	97.7	97.7
≥ 700	22.1	70.7	80.5	87.6	93.6	95.5	97.1	97.6	97.7	98.2	98.3	98.4	98.5
≥ 600	22.1	70.7	80.5	87.7	93.7	95.8	97.4	97.9	98.0	98.5	98.6	98.7	98.9
≥ 500	22.1	70.7	80.5	87.7	93.8	96.0	97.7	98.2	98.3	98.9	99.0	99.1	99.2
≥ 400	22.1	70.7	80.6	87.8	93.9	96.1	98.0	98.5	98.6	99.2	99.3	99.4	99.5
≥ 300	22.1	70.7	80.8	88.1	94.1	96.3	98.2	98.9	99.1	99.6	99.7	99.8	99.9
≥ 200	22.1	70.7	80.8	88.1	94.1	96.3	98.2	99.0	99.1	99.6	99.7	99.8	100.0
≥ 100	22.1	70.7	80.8	88.1	94.1	96.3	98.2	99.0	99.1	99.6	99.7	99.8	100.0
≥ 0	22.1	70.7	80.8	88.1	94.1	96.3	98.2	99.0	99.1	99.6	99.7	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS

954

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

13773 STATION QUANTICO, VIRGINIA 73-76 JUL NORTH 01 MONTH (LAST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.1	39.4	44.7	48.9	55.3	57.5	58.5	61.7	61.7	63.8	63.8	63.8	63.8	63.8	63.8
≥ 20000	1.1	42.6	50.0	54.3	60.6	62.8	63.8	68.1	68.1	70.2	70.2	70.2	70.2	70.2	70.2
≥ 18000	1.1	42.6	50.0	54.3	60.6	62.8	63.8	68.1	68.1	70.2	70.2	70.2	70.2	70.2	70.2
≥ 16000	1.1	42.6	50.0	54.3	60.6	62.8	63.8	68.1	68.1	70.2	70.2	70.2	70.2	70.2	70.2
≥ 14000	1.1	42.6	50.0	54.3	60.6	62.8	63.8	68.1	68.1	70.2	70.2	70.2	70.2	70.2	70.2
≥ 12000	1.1	44.7	53.2	57.5	63.8	66.0	67.0	71.3	71.3	73.4	73.4	73.4	73.4	73.4	73.4
≥ 10000	1.1	46.8	57.5	61.7	69.2	71.3	72.3	76.6	76.6	78.7	78.7	78.7	78.7	78.7	78.7
≥ 9000	1.1	46.8	57.5	61.7	69.2	71.3	72.3	76.6	76.6	78.7	78.7	78.7	78.7	78.7	78.7
≥ 8000	1.1	48.9	60.6	64.9	72.3	74.5	75.5	79.8	79.8	81.9	81.9	81.9	81.9	81.9	81.9
≥ 7000	1.1	48.9	61.7	66.0	73.4	75.5	76.6	80.9	80.9	83.0	83.0	83.0	83.0	83.0	83.0
≥ 6000	1.1	48.9	61.7	66.0	73.4	75.5	76.6	80.9	80.9	83.0	83.0	83.0	83.0	83.0	83.0
≥ 5000	1.1	50.0	62.8	67.0	75.5	77.7	79.8	85.1	85.1	87.2	87.2	87.2	87.2	87.2	87.2
≥ 4500	1.1	50.0	62.8	67.0	75.5	77.7	79.8	85.1	85.1	87.2	87.2	87.2	87.2	87.2	87.2
≥ 4000	1.1	51.1	64.9	69.2	77.7	80.9	83.0	88.3	88.3	90.4	90.4	90.4	90.4	90.4	90.4
≥ 3500	1.1	51.1	66.0	70.2	78.7	81.9	84.0	89.4	89.4	91.5	91.5	91.5	91.5	91.5	91.5
≥ 3000	1.1	53.2	69.2	73.4	81.9	85.1	87.2	92.6	92.6	94.7	94.7	94.7	94.7	94.7	94.7
≥ 2500	1.1	53.2	69.2	73.4	83.0	86.2	88.3	93.6	93.6	95.7	95.7	95.7	95.7	95.7	95.7
≥ 2000	1.1	53.2	70.2	75.5	86.2	89.4	91.5	96.8	96.8	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1800	1.1	53.2	70.2	75.5	86.2	89.4	91.5	96.8	96.8	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1500	1.1	53.2	70.2	75.5	86.2	89.4	91.5	96.8	96.8	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1200	1.1	53.2	70.2	75.5	86.2	89.4	91.5	96.8	96.8	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1000	1.1	54.3	71.3	76.6	87.2	90.4	92.6	97.9	97.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	1.1	54.3	71.3	76.6	87.2	90.4	92.6	97.9	97.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	1.1	54.3	71.3	76.6	87.2	90.4	92.6	97.9	97.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	1.1	54.3	71.3	76.6	87.2	90.4	92.6	97.9	97.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	1.1	54.3	71.3	76.6	87.2	90.4	92.6	97.9	97.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	1.1	54.3	71.3	76.6	87.2	90.4	92.6	97.9	97.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	1.1	54.3	71.3	76.6	87.2	90.4	92.6	97.9	97.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	1.1	54.3	71.3	76.6	87.2	90.4	92.6	97.9	97.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	1.1	54.3	71.3	76.6	87.2	90.4	92.6	97.9	97.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	1.1	54.3	71.3	76.6	87.2	90.4	92.6	97.9	97.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	1.1	54.3	71.3	76.6	87.2	90.4	92.6	97.9	97.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 94

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

13773

QUANTICO, VIRGINIA

73-76

STATION NAME

YEARS

JUL

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

04
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	≥ 0
NO CEILING	.8	28.1	38.0	48.8	52.9	57.0	58.7	60.3	60.3	61.2	62.0	62.0	62.0	62.0	62.0	62.0
≥ 20000	.8	29.8	41.3	54.6	60.3	64.5	66.1	67.8	67.8	68.6	69.4	69.4	69.4	69.4	69.4	69.4
≥ 18000	.8	29.8	41.3	54.6	60.3	64.5	66.1	67.8	67.8	68.6	69.4	69.4	69.4	69.4	69.4	69.4
≥ 16000	.8	29.8	41.3	54.6	60.3	64.5	66.1	67.8	67.8	68.6	69.4	69.4	69.4	69.4	69.4	69.4
≥ 14000	.8	29.8	41.3	54.6	60.3	64.5	66.1	67.8	67.8	68.6	69.4	69.4	69.4	69.4	69.4	69.4
≥ 12000	.8	30.6	43.0	56.2	62.0	66.1	67.8	69.4	69.4	70.3	71.1	71.1	71.1	71.1	71.1	71.1
≥ 10000	.8	31.4	45.5	60.3	66.9	71.9	74.4	76.0	76.0	76.9	77.7	77.7	77.7	77.7	77.7	77.7
≥ 9000	.8	31.4	45.5	60.3	66.9	71.9	74.4	76.0	76.0	76.9	77.7	77.7	77.7	77.7	77.7	77.7
≥ 8000	.8	33.1	48.8	63.6	70.3	75.2	78.5	81.0	81.0	81.8	82.6	82.6	82.6	82.6	82.6	82.6
≥ 7000	.8	33.1	48.8	63.6	70.3	75.2	78.5	81.0	81.0	81.8	82.6	82.6	82.6	82.6	82.6	82.6
≥ 6000	.8	33.1	48.8	63.6	70.3	75.2	78.5	81.0	81.0	81.8	82.6	82.6	82.6	82.6	82.6	82.6
≥ 5000	.8	33.9	49.6	65.3	71.9	76.9	80.2	82.6	82.6	83.5	84.3	84.3	84.3	84.3	84.3	84.3
≥ 4500	.8	33.9	49.6	65.3	71.9	76.9	80.2	82.6	82.6	83.5	84.3	84.3	84.3	84.3	84.3	84.3
≥ 4000	.8	37.2	53.7	69.4	76.0	81.0	84.3	86.8	86.8	87.6	88.4	88.4	88.4	88.4	88.4	88.4
≥ 3500	.8	38.0	54.6	70.3	76.9	81.8	85.1	87.6	87.6	88.4	89.3	89.3	89.3	89.3	89.3	89.3
≥ 3000	.8	38.0	54.6	71.1	77.7	82.6	86.0	88.4	88.4	89.3	90.1	90.1	90.1	90.1	90.1	90.1
≥ 2500	.8	38.0	54.6	71.1	77.7	83.5	86.8	89.3	89.3	90.1	90.9	90.9	90.9	90.9	90.9	90.9
≥ 2000	.8	38.0	55.4	71.9	78.5	84.3	87.6	90.9	90.9	91.7	92.6	92.6	92.6	92.6	92.6	92.6
≥ 1800	.8	38.0	55.4	71.9	78.5	84.3	87.6	90.9	90.9	91.7	92.6	92.6	92.6	92.6	92.6	92.6
≥ 1500	.8	38.0	55.4	71.9	78.5	84.3	87.6	90.9	90.9	91.7	92.6	92.6	92.6	92.6	92.6	92.6
≥ 1200	.8	38.0	55.4	71.9	78.5	84.3	87.6	90.9	90.9	91.7	92.6	92.6	92.6	92.6	92.6	92.6
≥ 1000	.8	38.8	56.2	73.6	81.0	86.8	90.1	93.4	93.4	94.2	95.9	95.9	95.9	95.9	95.9	95.9
≥ 900	.8	38.8	56.2	73.6	81.0	86.8	90.1	94.2	94.2	95.0	96.7	96.7	96.7	96.7	96.7	96.7
≥ 800	.8	38.8	56.2	73.6	81.8	87.6	90.9	95.0	95.0	95.9	97.5	97.5	97.5	97.5	97.5	97.5
≥ 700	.8	38.8	56.2	73.6	81.8	87.6	90.9	95.0	95.0	95.9	97.5	97.5	97.5	97.5	97.5	97.5
≥ 600	.8	38.8	56.2	73.6	82.6	88.4	91.7	95.9	95.9	96.7	98.4	98.4	98.4	98.4	98.4	98.4
≥ 500	.8	39.7	57.0	74.4	83.5	89.3	92.6	96.7	96.7	97.5	99.2	99.2	99.2	99.2	99.2	99.2
≥ 400	.8	39.7	57.0	74.4	83.5	89.3	92.6	96.7	96.7	97.5	99.2	99.2	99.2	99.2	99.2	99.2
≥ 300	.8	39.7	57.0	74.4	83.5	89.3	92.6	96.7	96.7	97.5	99.2	99.2	99.2	99.2	99.2	99.2
≥ 200	.8	39.7	57.0	74.4	83.5	89.3	92.6	96.7	96.7	97.5	99.2	99.2	99.2	99.2	99.2	99.2
≥ 100	.8	39.7	57.0	74.4	83.5	89.3	92.6	96.7	96.7	97.5	99.2	99.2	99.2	99.2	99.2	99.2
≥ 0	.8	39.7	57.0	74.4	83.5	89.3	92.6	96.7	96.7	97.5	99.2	99.2	99.2	99.2	99.2	99.2

TOTAL NUMBER OF OBSERVATIONS

121

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-77

YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

07
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	11.9	33.6	38.5	39.2	45.5	49.7	53.9	55.2	55.2	55.2	55.9
≥ 20000	12.6	37.1	42.7	43.4	50.4	54.6	58.7	60.1	60.1	60.1	61.5
≥ 18000	13.3	37.8	43.4	44.1	51.1	55.2	59.4	60.8	60.8	60.8	62.2
≥ 16000	13.3	37.8	43.4	44.1	51.1	55.2	59.4	60.8	60.8	60.8	62.2
≥ 14000	14.7	39.2	44.8	45.5	52.5	56.6	60.8	62.2	62.2	62.2	63.6
≥ 12000	15.4	40.6	46.2	46.9	53.9	58.0	62.2	63.6	63.6	63.6	65.0
≥ 10000	17.5	45.5	52.5	53.9	61.5	67.1	71.3	72.7	72.7	72.7	74.1
≥ 9000	17.5	45.5	52.5	54.6	62.2	67.8	72.0	73.4	73.4	73.4	74.8
≥ 8000	18.2	49.0	56.6	60.1	68.5	74.8	79.0	80.4	80.4	80.4	81.8
≥ 7000	18.9	49.7	58.0	62.2	70.6	77.6	81.8	83.2	83.2	83.2	84.6
≥ 6000	18.9	49.7	58.0	62.2	70.6	77.6	81.8	83.2	83.2	83.2	84.6
≥ 5000	18.9	49.7	58.0	62.2	70.6	77.6	81.8	83.2	83.2	83.2	84.6
≥ 4500	18.9	49.7	58.0	62.2	70.6	77.6	81.8	83.2	83.2	83.2	84.6
≥ 4000	18.9	50.4	59.4	65.0	73.4	80.4	84.6	86.0	86.0	86.0	87.4
≥ 3500	18.9	50.4	60.1	65.7	74.1	81.1	85.3	86.7	86.7	86.7	88.1
≥ 3000	18.9	51.1	60.8	66.4	74.8	81.8	86.0	87.4	87.4	87.4	88.8
≥ 2500	18.9	51.1	60.8	67.1	75.5	82.5	86.7	88.1	88.1	88.1	89.5
≥ 2000	19.6	51.8	61.5	67.8	76.2	83.2	87.4	88.8	88.8	88.8	90.2
≥ 1800	19.6	51.8	61.5	67.8	76.2	83.2	87.4	88.8	88.8	88.8	90.2
≥ 1500	19.6	52.5	62.2	68.5	77.6	84.6	89.5	90.9	90.9	90.9	92.3
≥ 1200	19.6	52.5	62.2	68.5	77.6	84.6	89.5	90.9	90.9	90.9	92.3
≥ 1000	19.6	53.2	62.9	69.2	78.3	85.7	92.3	94.4	94.4	94.4	95.8
≥ 900	19.6	53.9	63.6	69.9	79.0	87.4	93.0	95.1	95.1	95.1	96.5
≥ 800	19.6	53.9	63.6	69.9	79.7	88.1	93.7	95.8	95.8	95.8	97.2
≥ 700	19.6	53.9	63.6	69.9	79.7	88.1	93.7	95.8	95.8	95.8	97.2
≥ 600	19.6	53.9	63.6	69.9	79.7	88.1	93.7	95.8	95.8	95.8	97.2
≥ 500	19.6	53.9	63.6	69.9	79.7	88.8	95.1	97.2	97.2	97.2	98.6
≥ 400	19.6	53.9	63.6	69.9	79.7	88.8	95.1	97.2	97.2	97.2	98.6
≥ 300	19.6	53.9	63.6	69.9	79.7	88.8	95.1	97.2	97.2	97.2	99.3
≥ 200	19.6	53.9	63.6	69.9	79.7	88.8	95.1	97.2	97.2	97.2	99.3
≥ 100	19.6	53.9	63.6	69.9	79.7	88.8	95.1	97.2	97.2	97.2	100.0
0	19.6	53.9	63.6	69.9	79.7	88.8	95.1	97.2	97.2	97.2	100.0

TOTAL NUMBER OF OBSERVATIONS

143

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION
13773

QUANTICO, VIRGINIA

73-77

YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

10
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	16.1	35.7	39.2	39.9	49.7	53.9	54.6	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 20000	18.2	44.8	49.0	50.4	60.1	65.0	66.4	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 18000	18.9	46.2	51.1	52.5	62.2	67.1	68.5	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 16000	18.9	46.2	51.1	52.5	62.2	67.1	68.5	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 14000	18.9	46.9	51.8	53.2	62.9	67.8	69.2	69.9	69.9	69.9	69.9	69.9	69.9	69.9
≥ 12000	18.9	47.6	52.5	53.9	63.6	68.5	69.9	70.6	70.6	70.6	70.6	70.6	70.6	70.6
≥ 10000	21.7	51.8	56.6	58.7	69.9	74.8	76.2	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 9000	21.7	52.5	57.3	60.1	71.3	76.2	77.6	78.3	78.3	78.3	78.3	78.3	78.3	78.3
≥ 8000	23.1	55.9	61.5	65.0	76.9	81.8	83.2	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 7000	23.1	55.9	61.5	65.0	76.9	82.5	83.9	84.6	84.6	84.6	84.6	84.6	84.6	84.6
≥ 6000	23.1	55.9	61.5	65.0	76.9	82.5	83.9	84.6	84.6	84.6	84.6	84.6	84.6	84.6
≥ 5000	23.1	55.9	61.5	65.0	76.9	82.5	83.9	84.6	84.6	84.6	84.6	84.6	84.6	84.6
≥ 4500	23.1	55.9	61.5	65.0	76.9	82.5	83.9	84.6	84.6	84.6	84.6	84.6	84.6	84.6
≥ 4000	23.8	56.6	62.9	67.1	79.0	84.6	86.0	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 3500	24.5	57.3	63.6	67.8	79.7	85.3	86.7	87.4	87.4	87.4	87.4	87.4	87.4	87.4
≥ 3000	24.5	58.0	64.3	68.5	80.4	86.0	88.1	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 2500	24.5	58.0	64.3	68.5	80.4	86.0	88.1	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 2000	25.9	59.4	65.7	70.6	82.5	88.1	90.2	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 1800	25.9	59.4	65.7	70.6	82.5	88.1	90.2	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 1500	25.9	59.4	66.4	71.3	83.9	89.5	91.6	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 1200	25.9	59.4	66.4	71.3	83.9	89.5	93.0	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 1000	26.6	61.5	69.2	74.1	86.7	92.3	95.8	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 900	26.6	61.5	69.2	74.1	86.7	92.3	95.8	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 800	26.6	61.5	69.2	74.1	86.7	92.3	95.8	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 700	26.6	62.9	70.6	75.5	88.1	93.7	97.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 600	26.6	62.9	70.6	75.5	88.1	93.7	97.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 500	26.6	62.9	70.6	75.5	88.1	93.7	97.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 400	26.6	62.9	70.6	75.5	88.8	94.4	97.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	26.6	62.9	70.6	75.5	88.8	94.4	97.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200	26.6	62.9	70.6	75.5	88.8	94.4	97.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100	26.6	62.9	70.6	75.5	88.8	94.4	97.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3
0	26.6	62.9	70.6	75.5	88.8	94.4	97.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

143

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

13773

QUANTICO, VIRGINIA

73-77

STATION NAME

YEARS

JUL

MONTH

13

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING	17.6	38.0	43.0	45.1	50.0	51.4	52.8	52.8	52.8	52.8	52.8	52.8
≥ 20000	19.7	45.1	50.0	52.8	58.5	59.9	61.3	61.3	61.3	61.3	61.3	61.3
≥ 18000	21.1	46.5	51.4	54.2	59.9	61.3	62.7	62.7	62.7	62.7	62.7	62.7
≥ 16000	21.1	46.5	51.4	54.2	59.9	61.3	62.7	62.7	62.7	62.7	62.7	62.7
≥ 14000	21.8	47.2	52.1	54.9	60.6	62.0	63.4	63.4	63.4	63.4	63.4	63.4
≥ 12000	21.8	48.6	53.5	56.3	62.0	63.4	64.8	64.8	64.8	64.8	64.8	64.8
≥ 10000	23.2	52.1	57.8	61.3	68.3	69.7	71.1	71.1	71.1	71.1	71.1	71.1
≥ 9000	23.2	52.1	57.8	61.3	68.3	69.7	71.1	71.1	71.1	71.1	71.1	71.1
8000	24.7	57.0	64.1	67.6	74.7	76.1	77.5	77.5	77.5	77.5	77.5	77.5
7000	24.7	57.8	64.8	68.3	75.4	76.8	78.2	78.2	78.2	78.2	78.2	78.2
6000	24.7	58.5	65.5	69.0	76.1	77.5	78.9	78.9	78.9	78.9	78.9	78.9
5000	24.7	59.9	66.9	71.1	78.2	79.6	81.0	81.0	81.0	81.0	81.0	81.0
4500	24.7	59.9	66.9	71.1	78.2	79.6	81.0	81.0	81.0	81.0	81.0	81.0
4000	24.7	60.6	68.3	73.2	81.0	83.1	85.2	85.2	85.2	85.2	85.2	85.2
3500	26.1	62.0	69.7	74.7	83.1	85.2	87.3	87.3	87.3	87.3	87.3	87.3
3000	27.5	64.8	73.2	78.2	87.3	89.4	91.6	91.6	91.6	91.6	91.6	91.6
2500	27.5	64.8	73.2	78.2	87.3	89.4	91.6	91.6	91.6	91.6	91.6	91.6
2000	27.5	66.2	74.7	79.6	88.7	90.9	93.7	93.7	93.7	93.7	93.7	93.7
1800	28.2	66.9	75.4	80.3	89.4	91.6	94.4	94.4	94.4	94.4	94.4	94.4
1500	28.2	68.3	76.8	81.7	90.9	93.0	96.5	96.5	96.5	96.5	96.5	96.5
1200	28.2	68.3	76.8	81.7	90.9	93.7	97.2	97.2	97.2	97.2	97.2	97.2
1000	28.2	69.0	77.5	82.4	91.6	94.4	97.9	97.9	97.9	97.9	97.9	97.9
900	28.2	69.0	77.5	82.4	91.6	94.4	98.6	98.6	98.6	98.6	98.6	98.6
800	28.2	69.0	77.5	82.4	92.3	95.1	99.3	99.3	99.3	99.3	99.3	99.3
700	28.2	69.0	77.5	82.4	92.3	95.1	99.3	99.3	99.3	99.3	99.3	99.3
600	28.2	69.0	77.5	82.4	92.3	95.1	99.3	99.3	99.3	99.3	99.3	99.3
500	28.2	69.0	77.5	82.4	92.3	95.8	100.0	100.0	100.0	100.0	100.0	100.0
400	28.2	69.0	77.5	82.4	92.3	95.8	100.0	100.0	100.0	100.0	100.0	100.0
300	28.2	69.0	77.5	82.4	92.3	95.8	100.0	100.0	100.0	100.0	100.0	100.0
200	28.2	69.0	77.5	82.4	92.3	95.8	100.0	100.0	100.0	100.0	100.0	100.0
100	28.2	69.0	77.5	82.4	92.3	95.8	100.0	100.0	100.0	100.0	100.0	100.0
0	28.2	69.0	77.5	82.4	92.3	95.8	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

142

DIRNA VOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-77

YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

16
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	25.6	47.9	52.1	55.4	59.5	60.3	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 20000	26.1	55.4	61.2	65.3	70.3	71.1	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 18000	28.1	55.4	61.2	65.3	70.3	71.1	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 16000	28.1	55.4	61.2	65.3	70.3	71.1	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 14000	28.1	55.4	61.2	65.3	70.3	71.1	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 12000	28.1	55.4	61.2	65.3	70.3	71.1	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 10000	30.6	60.3	66.9	71.1	76.9	77.7	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 9000	30.6	60.3	66.9	71.1	76.9	77.7	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 8000	33.1	64.3	71.1	76.9	81.8	82.6	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 7000	33.1	65.3	71.9	76.9	83.5	84.3	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 6000	33.1	65.3	71.9	76.9	83.5	84.3	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 5000	33.1	65.3	71.9	76.9	83.5	84.3	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 4500	33.1	65.3	71.9	76.9	83.5	85.1	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 4000	33.1	67.8	74.4	80.2	86.8	88.4	90.1	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 3500	33.1	67.8	75.2	81.0	87.6	89.3	90.9	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 3000	33.1	67.8	75.2	81.0	88.4	90.9	93.4	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 2500	33.1	67.8	75.2	81.0	88.4	90.9	93.4	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 2000	33.1	69.4	76.9	82.6	90.1	92.6	95.0	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 1800	33.1	69.4	76.9	82.6	90.1	92.6	95.0	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 1500	33.1	69.4	76.9	83.5	90.9	93.4	95.9	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1200	33.1	69.4	76.9	83.5	90.9	93.4	95.9	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1000	33.1	69.4	76.9	83.5	90.9	94.2	97.5	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 900	33.1	69.4	76.9	83.5	91.7	95.0	98.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 800	33.1	69.4	76.9	83.5	91.7	95.0	98.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 700	33.1	70.3	77.7	84.3	92.6	95.9	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	33.1	70.3	77.7	84.3	92.6	95.9	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	33.1	70.3	77.7	84.3	92.6	95.9	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	33.1	70.3	77.7	84.3	92.6	95.9	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	33.1	70.3	77.7	84.3	92.6	95.9	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	33.1	70.3	77.7	84.3	92.6	95.9	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	33.1	70.3	77.7	84.3	92.6	95.9	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	33.1	70.3	77.7	84.3	92.6	95.9	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

121

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-77

YEARS

JUL
MONTH

19

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	23.3	45.6	47.6	49.5	52.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 20000	24.3	49.5	54.4	57.3	62.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
≥ 18000	24.3	49.5	54.4	57.3	62.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
≥ 16000	24.3	49.5	54.4	57.3	62.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
≥ 14000	24.3	49.5	54.4	57.3	62.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
≥ 12000	24.3	49.5	54.4	57.3	62.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
≥ 10000	26.2	55.3	60.2	64.1	69.9	71.8	71.8	71.8	71.8	71.8	71.8	71.8
≥ 9000	26.2	55.3	60.2	64.1	69.9	71.8	71.8	71.8	71.8	71.8	71.8	71.8
≥ 8000	27.2	58.3	64.1	68.9	74.8	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 7000	27.2	58.3	64.1	68.9	74.8	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 6000	27.2	58.3	64.1	68.9	74.8	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 5000	27.2	59.2	65.1	69.9	75.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 4500	27.2	59.2	65.1	69.9	75.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 4000	28.2	61.2	67.0	73.8	79.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 3500	28.2	62.1	68.0	74.8	80.6	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 3000	31.1	68.9	74.8	83.5	89.3	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 2500	31.1	68.9	74.8	83.5	89.3	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 2000	31.1	68.9	74.8	84.5	90.3	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 1800	31.1	68.9	74.8	84.5	90.3	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 1500	31.1	68.9	74.8	84.5	91.3	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1200	31.1	68.9	74.8	84.5	92.2	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 1000	31.1	69.9	75.7	85.4	94.2	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 900	31.1	69.9	75.7	85.4	94.2	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 800	31.1	69.9	75.7	85.4	94.2	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 700	31.1	69.9	75.7	85.4	94.2	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 600	31.1	69.9	75.7	85.4	94.2	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 500	31.1	69.9	75.7	85.4	94.2	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 400	31.1	69.9	75.7	85.4	94.2	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 300	31.1	69.9	75.7	85.4	94.2	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 200	31.1	69.9	75.7	85.4	94.2	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 100	31.1	69.9	75.7	85.4	94.2	99.0	99.0	99.0	99.0	99.0	99.0	99.0
0	31.1	69.9	75.7	85.4	94.2	99.0	99.0	99.0	99.0	99.0	99.0	99.0

TOTAL NUMBER OF OBSERVATIONS

103

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13773
STATIONQUANTICO, VIRGINIA
STATION NAME

73-76

STATION NAME

YEARS

JUL

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

22

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	1.0	37.8	44.9	50.0	54.1	57.1	58.2	60.2	60.2	61.2	61.2	61.2	61.2	61.2
≥ 20000	1.0	40.8	49.0	54.1	59.2	62.2	63.3	65.3	65.3	67.4	67.4	67.4	67.4	67.4
18000	1.0	40.8	49.0	54.1	59.2	62.2	63.3	65.3	65.3	67.4	67.4	67.4	67.4	67.4
16000	1.0	40.8	49.0	54.1	59.2	62.2	63.3	65.3	65.3	67.4	67.4	67.4	67.4	67.4
14000	1.0	40.8	49.0	54.1	59.2	62.2	63.3	65.3	65.3	67.4	67.4	67.4	67.4	67.4
12000	1.0	42.9	51.0	56.1	61.2	64.3	65.3	67.4	67.4	69.4	69.4	69.4	69.4	69.4
10000	1.0	43.9	53.1	58.2	63.3	67.4	68.4	70.4	70.4	72.5	72.5	72.5	72.5	72.5
9000	1.0	43.9	53.1	58.2	63.3	67.4	68.4	70.4	70.4	72.5	72.5	72.5	72.5	72.5
8000	1.0	51.0	61.2	67.4	73.5	77.6	78.6	80.6	80.6	82.7	82.7	82.7	82.7	82.7
7000	2.0	52.0	62.2	68.4	74.5	78.6	79.6	81.6	81.6	83.7	83.7	83.7	83.7	83.7
6000	2.0	52.0	62.2	68.4	74.5	78.6	79.6	81.6	81.6	83.7	83.7	83.7	83.7	83.7
5000	2.0	52.0	62.2	68.4	74.5	78.6	80.6	82.7	82.7	84.7	84.7	84.7	84.7	84.7
4500	2.0	52.0	62.2	68.4	74.5	78.6	80.6	82.7	82.7	84.7	84.7	84.7	84.7	84.7
4000	2.0	53.1	63.3	72.5	79.6	84.7	87.8	89.8	89.8	91.8	91.8	91.8	91.8	91.8
3500	2.0	54.1	65.3	74.5	81.6	86.7	89.8	91.8	91.8	93.9	93.9	93.9	93.9	93.9
3000	2.0	55.1	66.3	75.5	83.7	88.8	91.8	93.9	93.9	95.9	95.9	95.9	95.9	95.9
2500	2.0	57.1	68.4	77.6	85.7	90.8	93.9	95.9	95.9	98.0	98.0	98.0	98.0	98.0
2000	2.0	57.1	68.4	77.6	86.7	91.8	94.9	96.9	96.9	99.0	99.0	99.0	99.0	99.0
1800	2.0	57.1	68.4	77.6	86.7	91.8	94.9	96.9	96.9	99.0	99.0	99.0	99.0	99.0
1500	2.0	57.1	68.4	77.6	86.7	91.8	94.9	96.9	96.9	99.0	99.0	99.0	99.0	99.0
1200	2.0	57.1	68.4	78.6	87.8	92.9	95.9	98.0	98.0	100.0	100.0	100.0	100.0	100.0
1000	2.0	57.1	68.4	78.6	87.8	92.9	95.9	98.0	98.0	100.0	100.0	100.0	100.0	100.0
900	2.0	57.1	68.4	78.6	87.8	92.9	95.9	98.0	98.0	100.0	100.0	100.0	100.0	100.0
800	2.0	57.1	68.4	78.6	87.8	92.9	95.9	98.0	98.0	100.0	100.0	100.0	100.0	100.0
700	2.0	57.1	68.4	78.6	87.8	92.9	95.9	98.0	98.0	100.0	100.0	100.0	100.0	100.0
600	2.0	57.1	68.4	78.6	87.8	92.9	95.9	98.0	98.0	100.0	100.0	100.0	100.0	100.0
500	2.0	57.1	68.4	78.6	87.8	92.9	95.9	98.0	98.0	100.0	100.0	100.0	100.0	100.0
400	2.0	57.1	68.4	78.6	87.8	92.9	95.9	98.0	98.0	100.0	100.0	100.0	100.0	100.0
300	2.0	57.1	68.4	78.6	87.8	92.9	95.9	98.0	98.0	100.0	100.0	100.0	100.0	100.0
200	2.0	57.1	68.4	78.6	87.8	92.9	95.9	98.0	98.0	100.0	100.0	100.0	100.0	100.0
100	2.0	57.1	68.4	78.6	87.8	92.9	95.9	98.0	98.0	100.0	100.0	100.0	100.0	100.0
0	2.0	57.1	68.4	78.6	87.8	92.9	95.9	98.0	98.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

98

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13773

QUANTICO, VIRGINIA

73-77

JUL

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	12.8	37.9	43.1	46.5	52.0	54.8	56.4	57.4	57.4	57.8	58.0	58.0	58.0	58.0	58.0
≥ 20000	13.9	43.0	49.4	53.6	59.9	62.8	64.5	65.6	65.6	66.1	66.4	66.4	66.4	66.4	66.4
≥ 18000	14.3	43.5	50.1	54.2	60.5	63.4	65.1	66.2	66.2	66.7	67.1	67.1	67.1	67.1	67.1
≥ 16000	14.3	43.5	50.1	54.2	60.5	63.4	65.1	66.2	66.2	66.7	67.1	67.1	67.1	67.1	67.1
≥ 14000	14.6	43.9	50.5	54.6	60.9	63.8	65.5	66.6	66.6	67.2	67.5	67.5	67.5	67.5	67.5
≥ 12000	14.7	45.0	51.7	55.9	62.2	65.1	66.7	67.9	67.9	68.4	68.7	68.7	68.7	68.7	68.7
≥ 10000	16.2	48.5	56.2	60.9	68.2	71.5	73.3	74.4	74.4	74.9	75.2	75.2	75.2	75.2	75.2
≥ 9000	16.2	48.6	56.3	61.2	68.5	71.8	73.6	74.7	74.7	75.2	75.5	75.5	75.5	75.5	75.5
≥ 8000	17.1	52.3	60.9	66.5	74.1	77.5	79.4	80.6	80.6	81.1	81.5	81.5	81.5	81.5	81.5
≥ 7000	17.3	52.8	61.6	67.3	74.9	78.6	80.4	81.7	81.7	82.2	82.5	82.5	82.5	82.5	82.5
≥ 6000	17.3	52.9	61.7	67.4	75.0	78.7	80.5	81.8	81.8	82.3	82.6	82.6	82.6	82.6	82.6
≥ 5000	17.3	53.4	62.2	68.1	75.9	79.5	81.6	82.9	82.9	83.4	83.7	83.7	83.7	83.7	83.7
≥ 4500	17.3	53.4	62.2	68.1	75.9	79.5	81.6	82.9	82.9	83.4	83.7	83.7	83.7	83.7	83.7
≥ 4000	17.5	54.8	64.2	71.1	79.1	83.1	85.4	86.8	86.8	87.4	87.7	87.7	87.7	87.7	87.7
≥ 3500	17.8	55.4	65.2	72.1	80.2	84.4	86.6	88.1	88.1	88.6	88.9	88.9	88.9	88.9	88.9
≥ 3000	18.3	57.1	67.1	74.3	82.7	87.2	89.6	91.1	91.1	91.6	91.9	91.9	91.9	91.9	91.9
≥ 2500	18.3	57.3	67.3	74.6	83.1	87.7	90.3	91.7	91.7	92.2	92.5	92.5	92.5	92.5	92.5
≥ 2000	18.7	58.0	68.2	75.9	84.6	89.1	91.7	93.3	93.3	93.9	94.2	94.2	94.2	94.2	94.2
≥ 1800	18.8	58.1	68.3	76.0	84.7	89.2	91.8	93.4	93.4	94.0	94.3	94.3	94.3	94.3	94.3
≥ 1500	18.8	58.5	68.7	76.5	85.5	90.1	92.9	94.5	94.5	95.1	95.4	95.4	95.4	95.4	95.4
≥ 1200	18.8	58.5	68.7	76.6	85.7	90.4	93.5	95.1	95.1	95.8	96.1	96.1	96.1	96.1	96.1
≥ 1000	18.9	59.3	69.6	77.6	86.9	91.9	95.1	96.9	96.9	97.5	97.9	97.9	97.9	97.9	97.9
≥ 900	18.9	59.4	69.7	77.7	87.1	92.0	95.3	97.2	97.2	97.8	98.2	98.2	98.2	98.2	98.2
≥ 800	18.9	59.6	70.0	77.9	87.7	92.6	96.0	97.8	97.8	98.5	98.9	98.9	98.9	98.9	98.9
≥ 700	18.9	59.7	70.1	78.0	87.8	92.8	96.1	97.9	97.9	98.6	99.0	99.0	99.0	99.0	99.0
≥ 600	18.9	59.7	70.1	78.0	87.9	92.9	96.2	98.0	98.0	98.7	99.1	99.1	99.1	99.1	99.1
≥ 500	18.9	59.8	70.2	78.1	88.1	93.3	96.7	98.6	98.6	99.2	99.6	99.6	99.6	99.6	99.6
≥ 400	18.9	59.8	70.2	78.1	88.1	93.3	96.7	98.6	98.6	99.3	99.7	99.7	99.7	99.7	99.7
≥ 300	18.9	59.8	70.2	78.1	88.1	93.3	96.7	98.6	98.6	99.4	99.8	99.8	99.8	99.8	99.8
≥ 200	18.9	59.8	70.2	78.1	88.1	93.3	96.7	98.6	98.6	99.4	99.8	99.8	99.8	99.8	99.8
≥ 100	18.9	59.8	70.2	78.1	88.1	93.3	96.7	98.6	98.6	99.5	99.9	99.9	99.9	99.9	99.9
≥ 0	18.9	59.8	70.2	78.1	88.1	93.3	96.7	98.6	98.6	99.5	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS

965

CEILING VERSUS VISIBILITY

13773
STATION

QUANTICO, VIRGINIA

73-75

STATION NAME

YEARS

AUG
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)01
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING													
≥ 20000		15.1	26.9	38.7	45.2	48.4	50.5	51.6	51.6	51.6	51.6	51.6	51.6
≥ 18000		17.2	30.1	44.1	50.5	54.8	57.0	58.1	58.1	58.1	58.1	58.1	58.1
≥ 16000		17.2	30.1	44.1	50.5	54.8	57.0	58.1	58.1	58.1	58.1	58.1	58.1
≥ 14000		17.2	30.1	44.1	50.5	54.8	57.0	58.1	58.1	58.1	58.1	58.1	58.1
≥ 12000		18.3	31.2	45.2	51.6	55.9	58.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 10000		20.4	35.5	52.7	59.1	63.4	66.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 9000		20.4	35.5	52.7	59.1	63.4	66.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 8000		21.5	39.8	57.0	63.4	67.7	72.0	73.1	73.1	73.1	73.1	73.1	73.1
≥ 7000		22.6	40.9	58.1	64.5	68.8	73.1	74.2	74.2	74.2	74.2	74.2	74.2
≥ 6000		22.6	40.9	58.1	64.5	68.8	73.1	74.2	74.2	74.2	74.2	74.2	74.2
≥ 5000		22.6	41.9	60.2	67.7	72.0	76.3	77.4	77.4	77.4	77.4	77.4	77.4
≥ 4500		23.7	43.0	61.3	68.8	73.1	77.4	78.5	78.5	78.5	78.5	78.5	78.5
≥ 4000		25.8	45.2	64.5	72.0	76.3	80.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 3500		29.0	48.4	68.8	76.3	80.7	85.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 3000		29.0	49.5	72.0	81.7	86.0	90.3	91.4	91.4	92.5	92.5	92.5	92.5
≥ 2500		30.1	51.6	74.2	83.9	89.3	93.6	94.6	94.6	95.7	95.7	95.7	95.7
≥ 2000		30.1	51.6	74.2	83.9	90.3	94.6	95.7	95.7	96.8	96.8	96.8	96.8
≥ 1800		30.1	51.6	74.2	83.9	90.3	94.6	95.7	95.7	96.8	96.8	96.8	96.8
≥ 1500		31.2	52.7	75.3	85.0	91.4	95.7	96.8	96.8	97.9	97.9	97.9	97.9
≥ 1200		31.2	52.7	75.3	85.0	91.4	95.7	96.8	96.8	97.9	97.9	97.9	97.9
≥ 1000		31.2	53.8	76.3	86.0	92.5	96.8	97.9	97.9	100.0	100.0	100.0	100.0
≥ 900		31.2	53.8	76.3	86.0	92.5	96.8	97.9	97.9	100.0	100.0	100.0	100.0
≥ 800		31.2	53.8	76.3	86.0	92.5	96.8	97.9	97.9	100.0	100.0	100.0	100.0
≥ 700		31.2	53.8	76.3	86.0	92.5	96.8	97.9	97.9	100.0	100.0	100.0	100.0
≥ 600		31.2	53.8	76.3	86.0	92.5	96.8	97.9	97.9	100.0	100.0	100.0	100.0
≥ 500		31.2	53.8	76.3	86.0	92.5	96.8	97.9	97.9	100.0	100.0	100.0	100.0
≥ 400		31.2	53.8	76.3	86.0	92.5	96.8	97.9	97.9	100.0	100.0	100.0	100.0
≥ 300		31.2	53.8	76.3	86.0	92.5	96.8	97.9	97.9	100.0	100.0	100.0	100.0
≥ 200		31.2	53.8	76.3	86.0	92.5	96.8	97.9	97.9	100.0	100.0	100.0	100.0
≥ 100		31.2	53.8	76.3	86.0	92.5	96.8	97.9	97.9	100.0	100.0	100.0	100.0
0		31.2	53.8	76.3	86.0	92.5	96.8	97.9	97.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

93

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13773

QUANTICO, VIRGINIA

73-76

AUG

STATION NAME

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

04
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ⅓	≥ 0
NO CEILING		24.4	35.0	44.7	54.5	59.4	61.0	61.0	61.0	63.4	63.4	63.4	63.4	63.4
≥ 20000		26.8	39.8	49.6	61.0	65.9	67.5	67.5	67.5	69.9	69.9	69.9	69.9	69.9
≥ 18000		27.6	40.7	50.4	61.8	66.7	68.3	68.3	68.3	70.7	70.7	70.7	70.7	70.7
≥ 16000		27.6	40.7	50.4	61.8	66.7	68.3	68.3	68.3	70.7	70.7	70.7	70.7	70.7
14000		27.6	40.7	50.4	61.8	66.7	68.3	68.3	68.3	70.7	70.7	70.7	70.7	70.7
12000		28.5	41.5	51.2	62.6	67.5	69.1	69.1	69.1	71.5	71.5	71.5	71.5	71.5
10000		29.3	43.1	53.7	66.7	71.5	74.0	74.0	74.0	76.4	76.4	76.4	76.4	76.4
9000		29.3	43.1	53.7	66.7	71.5	74.0	74.0	74.0	76.4	76.4	76.4	76.4	76.4
8000		30.1	43.9	56.9	69.9	74.8	78.1	78.1	78.1	80.5	80.5	80.5	80.5	80.5
7000		30.1	43.9	56.9	69.9	74.8	78.1	78.1	78.1	80.5	80.5	80.5	80.5	80.5
6000		30.1	43.9	56.9	69.9	74.8	78.1	78.1	78.1	80.5	80.5	80.5	80.5	80.5
5000		30.1	43.9	56.9	69.9	74.8	78.9	78.9	78.9	81.3	81.3	81.3	81.3	81.3
4500		30.1	44.7	57.7	70.7	75.6	79.7	79.7	79.7	82.1	82.1	82.1	82.1	82.1
4000		30.9	46.3	59.4	73.2	78.1	82.1	82.1	82.1	85.4	85.4	85.4	85.4	85.4
3500		31.7	47.2	60.2	74.8	79.7	83.7	84.6	84.6	87.0	87.0	87.0	87.0	87.0
3000		32.5	48.8	63.4	78.9	83.7	87.6	89.4	89.4	91.9	91.9	91.9	91.9	91.9
2500		32.5	49.6	65.0	79.7	84.6	88.6	90.2	90.2	92.7	92.7	92.7	92.7	92.7
2000		32.5	49.6	65.0	80.5	85.4	89.4	91.1	91.1	93.5	93.5	93.5	93.5	93.5
1800		32.5	49.6	65.0	80.5	85.4	89.4	91.1	91.1	93.5	93.5	93.5	93.5	93.5
1500		33.3	50.4	65.9	81.3	86.2	90.2	91.9	91.9	94.3	94.3	94.3	94.3	94.3
1200		33.3	50.4	65.9	82.1	87.0	91.1	92.7	92.7	95.1	95.1	95.1	95.1	95.1
1000		33.3	50.4	65.9	83.7	88.6	92.7	94.3	94.3	97.6	97.6	97.6	97.6	97.6
900		33.3	50.4	65.9	83.7	88.6	92.7	94.3	94.3	97.6	97.6	97.6	97.6	97.6
800		33.3	50.4	65.9	84.6	89.4	93.5	95.1	95.1	98.4	98.4	98.4	98.4	98.4
700		33.3	50.4	65.9	84.6	89.4	93.5	95.1	95.1	99.2	99.2	99.2	99.2	99.2
600		33.3	50.4	65.9	84.6	89.4	93.5	95.1	95.1	99.2	99.2	99.2	99.2	99.2
500		33.3	50.4	65.9	84.6	89.4	93.5	95.1	95.1	99.2	99.2	99.2	99.2	99.2
400		33.3	50.4	65.9	84.6	89.4	93.5	95.1	95.1	99.2	99.2	99.2	99.2	99.2
300		33.3	50.4	65.9	84.6	89.4	93.5	95.1	95.1	99.2	99.2	99.2	99.2	99.2
200		33.3	50.4	65.9	84.6	89.4	93.5	95.1	95.1	99.2	99.2	99.2	99.2	99.2
100		33.3	50.4	65.9	84.6	89.4	93.5	95.1	95.1	99.2	99.2	99.2	99.2	99.2
0		33.3	50.4	65.9	84.6	89.4	93.5	95.1	95.1	99.2	99.2	99.2	99.2	99.2

TOTAL NUMBER OF OBSERVATIONS

123

CEILING VERSUS VISIBILITY

13773
STATIONQUANTICO, VIRGINIA
STATION NAME

73-77

YEARS

AUG
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)07
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	6.3	26.6	34.0	38.9	43.1	46.3	50.0	51.4	51.4	52.1	52.1	52.1	52.1
≥ 20000	7.6	31.9	40.3	45.8	50.0	54.2	57.6	59.0	59.0	59.7	59.7	59.7	59.7
≥ 18000	7.6	31.9	40.3	45.8	50.0	54.2	57.6	59.0	59.0	59.7	59.7	59.7	59.7
≥ 16000	7.6	31.9	40.3	45.6	50.0	54.2	57.6	59.0	59.0	59.7	59.7	59.7	59.7
≥ 14000	7.6	31.9	40.3	45.6	50.0	54.2	57.6	59.0	59.0	59.7	59.7	59.7	59.7
≥ 12000	7.6	35.4	43.8	50.0	54.9	59.7	63.2	64.6	64.6	65.3	65.3	65.3	65.3
≥ 10000	7.6	36.8	46.3	52.8	59.7	65.3	69.4	70.8	70.8	71.5	71.5	71.5	71.5
≥ 9000	7.6	37.5	47.2	53.5	60.4	66.0	70.1	71.5	71.5	72.2	72.2	72.2	72.2
≥ 8000	8.3	41.7	52.1	59.0	66.0	72.2	77.1	78.5	78.5	79.2	79.2	79.2	79.2
≥ 7000	8.3	41.7	52.1	59.0	66.0	72.2	77.1	78.5	78.5	79.2	79.2	79.2	79.2
≥ 6000	8.3	41.7	52.1	59.0	66.0	72.2	77.1	78.5	78.5	79.2	79.2	79.2	79.2
≥ 5000	8.3	42.4	52.8	59.7	67.4	73.6	78.5	79.9	79.9	80.6	80.6	80.6	80.6
≥ 4500	8.3	42.4	52.8	59.7	67.4	73.6	78.5	79.9	79.9	80.6	80.6	80.6	80.6
≥ 4000	8.3	44.4	54.9	61.8	71.5	77.8	82.6	84.0	84.0	84.7	84.7	84.7	84.7
≥ 3500	8.3	45.1	55.6	62.5	72.2	78.5	83.3	84.7	84.7	85.4	85.4	85.4	85.4
≥ 3000	8.3	46.5	56.9	64.6	74.3	80.6	85.4	87.5	87.5	88.2	88.2	88.2	88.2
≥ 2500	8.3	46.5	56.9	64.6	74.3	80.6	85.4	87.5	87.5	88.2	88.2	88.2	88.2
≥ 2000	8.3	46.5	56.9	64.6	74.3	80.6	85.4	88.2	88.2	88.9	88.9	88.9	88.9
≥ 1800	8.3	46.5	56.9	64.6	74.3	80.6	85.4	88.2	88.2	88.9	88.9	88.9	88.9
≥ 1500	8.3	47.2	57.6	66.7	76.4	82.6	87.5	90.3	90.3	91.0	91.0	91.0	91.0
≥ 1200	8.3	47.9	58.3	68.1	77.8	84.0	89.6	92.4	92.4	93.1	93.1	93.1	93.1
≥ 1000	8.3	47.9	59.0	68.8	79.2	86.1	91.7	94.4	94.4	95.8	95.8	95.8	95.8
≥ 900	8.3	47.9	59.0	68.8	79.2	86.1	91.7	94.4	94.4	95.8	95.8	95.8	95.8
≥ 800	8.3	47.9	59.0	68.8	79.2	86.1	91.7	94.4	94.4	95.8	95.8	95.8	95.8
≥ 700	8.3	47.9	59.0	68.8	79.2	86.1	91.7	94.4	94.4	95.8	95.8	95.8	95.8
≥ 600	8.3	47.9	59.0	68.8	79.2	86.1	91.7	94.4	94.4	95.8	95.8	95.8	95.8
≥ 500	8.3	48.6	59.7	69.4	80.6	87.5	93.1	95.8	95.8	97.2	97.2	97.2	97.2
≥ 400	8.3	48.6	59.7	69.4	81.3	88.2	93.8	97.2	97.2	99.3	99.3	99.3	99.3
≥ 300	8.3	48.6	59.7	69.4	81.3	88.2	93.8	97.2	97.2	99.3	99.3	99.3	99.3
≥ 200	8.3	48.6	59.7	69.4	81.3	88.2	93.8	97.2	97.2	99.3	99.3	99.3	99.3
≥ 100	8.3	48.6	59.7	69.4	81.3	88.2	93.8	97.2	97.2	99.3	99.3	99.3	99.3
0	8.3	48.6	59.7	69.4	81.3	88.2	93.8	97.2	97.2	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

144

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-77

YEARS

AUG
MONTH

10
HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	7.5	28.6	36.1	42.2	49.7	51.0	51.0	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 20000	9.5	35.4	43.5	51.7	59.2	61.2	61.2	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 18000	9.5	36.1	44.2	52.4	59.9	61.9	61.9	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 16000	9.5	36.1	44.2	52.4	59.9	61.9	61.9	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 14000	9.5	36.7	44.9	53.1	60.5	62.6	62.6	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 12000	9.5	38.1	46.3	55.1	62.6	64.6	64.6	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 10000	10.9	42.9	51.0	61.2	69.4	71.4	71.4	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥ 9000	10.9	42.9	51.0	61.2	69.4	71.4	71.4	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥ 8000	10.9	45.6	54.4	65.3	74.2	76.9	76.9	77.6	77.6	77.6	77.6	77.6	77.6	77.6
≥ 7000	10.9	46.3	55.1	66.0	74.8	77.6	77.6	78.2	78.2	78.2	78.2	78.2	78.2	78.2
≥ 6000	10.9	46.3	55.1	66.0	75.5	78.2	78.2	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 5000	10.9	46.9	55.8	66.7	76.2	78.9	78.9	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 4500	10.9	46.9	55.8	66.7	76.2	78.9	78.9	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 4000	10.9	47.6	57.1	68.7	78.2	81.0	81.0	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 3500	10.9	47.6	57.1	69.4	78.9	81.6	81.6	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 3000	10.9	48.3	58.5	70.8	80.3	83.0	83.0	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 2500	10.9	49.0	60.5	72.8	83.0	85.7	85.7	86.4	86.4	86.4	86.4	86.4	86.4	86.4
≥ 2000	10.9	49.7	61.2	74.2	85.7	88.4	88.4	89.1	89.1	89.1	89.1	89.1	89.1	89.1
≥ 1800	10.9	49.7	61.2	74.2	85.7	88.4	88.4	89.1	89.1	89.1	89.1	89.1	89.1	89.1
≥ 1500	10.9	51.0	63.3	76.2	88.4	91.8	91.8	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 1200	10.9	51.0	63.3	76.9	89.1	92.5	92.5	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 1000	10.9	51.0	63.3	76.9	89.8	93.9	93.9	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 900	10.9	51.0	63.3	77.6	90.5	94.6	94.6	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 800	10.9	51.0	63.3	77.6	90.5	95.2	95.2	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 700	10.9	51.7	64.0	78.2	91.2	95.9	95.9	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 600	10.9	51.7	64.0	78.2	91.2	95.9	95.9	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 500	10.9	51.7	64.0	78.2	91.2	95.9	95.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 400	10.9	51.7	64.0	78.2	91.2	95.9	95.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 300	10.9	51.7	64.0	78.2	91.2	95.9	95.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 200	10.9	51.7	64.0	78.2	91.2	95.9	95.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 100	10.9	51.7	64.0	78.2	91.2	95.9	95.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0
0	10.9	51.7	64.0	78.2	91.2	95.9	95.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0

TOTAL NUMBER OF OBSERVATIONS

147

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-77

YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	10.3	31.5	37.0	43.2	45.9	46.6	49.3	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 20000	11.6	39.0	44.5	52.7	56.9	57.5	60.3	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 18000	11.6	39.7	45.2	53.4	57.5	58.2	61.0	61.6	61.6	61.6	61.6	61.6	61.6	61.6
≥ 16000	11.6	39.7	45.2	53.4	57.5	58.2	61.0	61.6	61.6	61.6	61.6	61.6	61.6	61.6
≥ 14000	11.6	41.1	47.3	55.5	59.6	60.3	63.0	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 12000	13.0	42.5	48.6	57.5	62.3	63.0	65.8	66.4	66.4	66.4	66.4	66.4	66.4	66.4
≥ 10000	14.4	46.6	54.1	64.4	69.2	70.6	73.3	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 9000	14.4	47.3	54.8	65.1	69.9	71.2	74.0	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 8000	15.1	49.3	58.2	69.2	74.0	75.3	78.1	78.8	78.8	78.8	78.8	78.8	78.8	78.8
≥ 7000	15.1	49.3	58.2	69.2	74.0	75.3	78.1	78.8	78.8	78.8	78.8	78.8	78.8	78.8
≥ 6000	15.1	50.0	58.9	69.9	74.7	76.0	78.8	79.5	79.5	79.5	79.5	79.5	79.5	79.5
≥ 5000	15.1	50.7	60.3	71.2	76.0	77.4	80.1	80.8	80.8	80.8	80.8	80.8	80.8	80.8
≥ 4500	15.1	50.7	60.3	71.2	76.0	77.4	80.1	80.8	80.8	80.8	80.8	80.8	80.8	80.8
≥ 4000	15.8	52.7	62.3	73.3	78.1	79.5	82.2	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 3500	15.8	54.8	64.4	75.3	80.1	82.2	84.9	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 3000	15.8	57.5	67.6	79.5	84.3	86.3	89.0	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 2500	17.1	60.3	70.6	82.2	87.7	90.4	93.2	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 2000	17.1	61.6	71.9	83.6	89.0	91.8	94.5	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 1800	17.1	61.6	71.9	83.6	89.0	91.8	94.5	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 1500	17.1	62.3	72.6	84.9	90.4	93.2	96.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1200	17.1	62.3	73.3	85.6	91.1	93.8	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1000	17.1	62.3	73.3	85.6	91.1	94.5	98.0	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 900	17.1	62.3	73.3	85.6	91.1	94.5	98.0	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 800	17.1	63.0	74.0	86.3	91.8	95.2	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 700	17.1	63.0	74.0	86.3	91.8	95.2	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600	17.1	63.0	74.0	86.3	91.8	95.2	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500	17.1	63.0	74.0	86.3	91.8	95.2	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400	17.1	63.0	74.0	86.3	91.8	95.2	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	17.1	63.0	74.0	86.3	91.8	95.2	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200	17.1	63.0	74.0	86.3	91.8	95.2	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100	17.1	63.0	74.0	86.3	91.8	95.2	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3
0	17.1	63.0	74.0	86.3	91.8	95.2	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS 146

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-77

YEARS

AUG
MONTH

16
HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	14.5	38.7	46.8	51.6	53.2	54.0	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 20000	15.3	46.0	54.0	59.7	62.9	63.7	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 18000	15.3	46.0	54.0	59.7	62.9	63.7	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 16000	15.3	46.0	54.0	59.7	62.9	63.7	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 14000	15.3	46.0	54.0	59.7	62.9	63.7	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 12000	15.3	46.0	54.0	59.7	62.9	63.7	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 10000	15.3	47.6	55.7	61.3	66.9	67.7	69.4	69.4	69.4	69.4	69.4	69.4	69.4
≥ 9000	15.3	47.6	55.7	61.3	66.9	67.7	69.4	69.4	69.4	69.4	69.4	69.4	69.4
≥ 8000	15.3	51.6	62.1	67.7	73.4	74.2	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 7000	15.3	51.6	62.1	67.7	73.4	74.2	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 6000	15.3	52.4	62.9	68.6	74.2	75.0	76.6	76.6	76.6	76.6	76.6	76.6	76.6
≥ 5000	15.3	54.0	66.1	71.8	77.4	78.2	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 4500	15.3	54.0	66.1	71.8	77.4	78.2	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 4000	16.1	54.8	66.9	73.4	79.8	80.7	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 3500	16.1	56.5	68.6	75.0	81.5	82.3	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 3000	16.9	58.9	71.8	79.0	86.3	87.1	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 2500	16.6	61.3	74.2	82.3	90.3	91.9	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 2000	19.4	62.9	75.8	83.9	91.9	93.6	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 1800	19.4	62.9	75.8	83.9	91.9	93.6	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 1500	19.4	62.9	75.8	83.9	92.7	94.4	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1200	19.4	63.7	76.6	84.7	93.6	95.2	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 1000	19.4	63.7	77.4	85.5	94.4	96.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 900	19.4	63.7	77.4	85.5	94.4	96.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 800	19.4	63.7	77.4	86.3	95.2	96.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 700	19.4	63.7	77.4	86.3	95.2	96.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 600	19.4	63.7	77.4	86.3	95.2	96.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 500	19.4	63.7	77.4	86.3	95.2	96.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 400	19.4	63.7	77.4	86.3	95.2	96.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 300	19.4	63.7	77.4	86.3	95.2	96.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 200	19.4	63.7	77.4	86.3	95.2	96.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	19.4	63.7	77.4	86.3	95.2	96.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	19.4	63.7	77.4	86.3	95.2	96.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

124

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

13773

QUANTICO, VIRGINIA

73-77

AUG

STATION

STATION NAME

YEARS

NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

19
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	9.2	33.0	44.0	48.6	53.2	54.1	55.1	55.1	55.1	55.1	55.1	55.1	56.0	56.0
≥ 20000	11.9	40.4	51.4	57.8	62.4	63.3	65.1	65.1	65.1	65.1	65.1	65.1	66.1	66.1
≥ 18000	11.9	40.4	51.4	57.8	62.4	63.3	65.1	65.1	65.1	65.1	65.1	65.1	66.1	66.1
≥ 16000	11.9	40.4	51.4	57.8	62.4	63.3	65.1	65.1	65.1	65.1	65.1	65.1	66.1	66.1
≥ 14000	11.9	40.4	51.4	57.8	62.4	63.3	65.1	65.1	65.1	65.1	65.1	65.1	66.1	66.1
≥ 12000	11.9	40.4	51.4	57.8	62.4	63.3	65.1	65.1	65.1	65.1	65.1	65.1	66.1	66.1
≥ 10000	12.8	44.0	56.0	63.3	67.9	68.8	70.6	70.6	70.6	70.6	70.6	70.6	71.6	71.6
≥ 9000	12.8	44.0	56.0	63.3	67.9	68.8	70.6	70.6	70.6	70.6	70.6	70.6	71.6	71.6
≥ 8000	12.8	49.5	62.4	69.7	74.3	75.2	77.1	77.1	77.1	77.1	77.1	77.1	78.0	78.0
≥ 7000	12.8	50.5	63.3	70.6	75.2	76.2	78.0	78.0	78.0	78.0	78.0	78.0	78.9	78.9
≥ 6000	12.8	50.5	63.3	70.6	75.2	76.2	78.0	78.0	78.0	78.0	78.0	78.0	78.9	78.9
≥ 5000	12.8	50.5	64.2	71.6	76.2	77.1	78.9	78.9	78.9	78.9	78.9	78.9	79.8	79.8
≥ 4500	12.8	51.4	65.1	72.5	77.1	78.0	79.8	79.8	79.8	79.8	79.8	79.8	80.7	80.7
≥ 4000	13.8	54.1	69.7	77.1	82.6	83.5	86.2	86.2	86.2	86.2	86.2	86.2	87.2	87.2
≥ 3500	13.8	55.1	70.6	78.0	83.5	84.4	87.2	87.2	87.2	87.2	87.2	87.2	88.1	88.1
≥ 3000	13.8	56.0	71.6	79.8	86.2	86.1	91.7	91.7	91.7	91.7	91.7	91.7	92.7	92.7
≥ 2500	13.8	56.0	72.5	80.7	87.2	89.0	92.7	92.7	92.7	92.7	92.7	92.7	93.6	93.6
≥ 2000	13.8	56.0	72.5	80.7	87.2	89.0	92.7	93.6	93.6	93.6	93.6	93.6	94.5	94.5
≥ 1800	13.8	56.0	72.5	80.7	87.2	89.0	93.6	94.5	94.5	94.5	94.5	94.5	95.4	95.4
≥ 1500	13.8	56.9	73.4	81.7	88.1	89.9	94.5	95.4	95.4	95.4	95.4	95.4	96.3	96.3
≥ 1200	14.7	58.7	75.2	83.5	89.9	91.7	96.3	97.3	97.3	97.3	97.3	97.3	98.2	98.2
≥ 1000	14.7	59.6	76.2	84.4	90.8	92.7	97.3	98.2	98.2	98.2	98.2	98.2	99.1	99.1
≥ 900	14.7	59.6	76.2	84.4	90.8	92.7	97.3	98.2	98.2	98.2	98.2	98.2	99.1	99.1
≥ 800	14.7	59.6	76.2	84.4	90.8	92.7	97.3	98.2	98.2	98.2	98.2	98.2	99.1	99.1
≥ 700	14.7	59.6	76.2	84.4	90.8	92.7	97.3	98.2	98.2	98.2	98.2	98.2	99.1	99.1
≥ 600	14.7	59.6	76.2	84.4	90.8	92.7	97.3	98.2	98.2	98.2	98.2	98.2	99.1	99.1
≥ 500	14.7	59.6	76.2	84.4	90.8	92.7	97.3	98.2	98.2	98.2	98.2	98.2	99.1	99.1
≥ 400	14.7	59.6	76.2	84.4	90.8	92.7	97.3	98.2	98.2	98.2	98.2	98.2	99.1	99.1
≥ 300	14.7	59.6	76.2	84.4	90.8	92.7	97.3	98.2	98.2	98.2	98.2	98.2	99.1	99.1
≥ 200	14.7	59.6	76.2	84.4	90.8	92.7	97.3	98.2	98.2	98.2	98.2	98.2	99.1	99.1
≥ 100	14.7	59.6	76.2	84.4	90.8	92.7	97.3	98.2	98.2	98.2	98.2	98.2	99.1	99.1
≥ 0	14.7	59.6	76.2	84.4	90.8	92.7	97.3	98.2	98.2	98.2	98.2	98.2	99.1	99.1

TOTAL NUMBER OF OBSERVATIONS

109

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

13773

QUANTICO, VIRGINIA

73-76

AUG

STATION NAME

YEAR

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

22

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		22.7	33.0	41.2	47.4	49.5	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 20000		26.8	40.2	49.5	56.7	58.8	60.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9
AI 18000		27.8	41.2	50.5	57.7	59.8	61.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
AI 16000		27.8	41.2	50.5	57.7	59.8	61.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
AI 14000		27.8	41.2	50.5	57.7	59.8	61.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
AI 12000		27.8	41.2	50.5	57.7	59.8	61.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
AI 10000		29.9	46.4	57.7	66.0	68.0	70.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
AI 9000		29.9	46.4	57.7	66.0	68.0	70.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
AI 8000		34.0	55.7	68.0	76.3	78.4	80.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
AI 7000		35.1	56.7	69.1	77.3	79.4	81.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5
AI 6000		35.1	56.7	69.1	77.3	79.4	81.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5
AI 5000		37.1	59.8	72.2	80.4	82.5	84.5	85.6	85.6	85.6	85.6	85.6	85.6	85.6
AI 4500		37.1	59.8	72.2	81.4	83.5	85.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
AI 4000		37.1	60.8	73.2	82.5	84.5	86.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
AI 3500		39.2	63.9	76.3	85.6	87.6	89.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
AI 3000		39.2	63.9	76.3	85.6	87.6	89.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
AI 2500		39.2	63.9	76.3	86.6	89.7	92.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
AI 2000		39.2	63.9	76.3	87.6	91.8	94.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
AI 1800		39.2	63.9	76.3	87.6	91.8	94.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
AI 1500		42.3	67.0	79.4	90.7	94.9	97.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
AI 1200		42.3	67.0	79.4	90.7	94.9	97.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
AI 1000		42.3	67.0	79.4	90.7	94.9	97.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
AI 900		42.3	67.0	79.4	90.7	94.9	97.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
AI 800		42.3	67.0	79.4	90.7	94.9	97.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
AI 700		42.3	67.0	79.4	90.7	94.9	97.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
AI 600		42.3	67.0	79.4	90.7	94.9	97.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
AI 500		42.3	67.0	79.4	90.7	94.9	97.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
AI 400		42.3	67.0	79.4	90.7	94.9	97.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
AI 300		42.3	67.0	79.4	90.7	94.9	97.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
AI 200		42.3	67.0	79.4	90.7	94.9	97.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
AI 100		42.3	67.0	79.4	90.7	94.9	97.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
AI 0		42.3	67.0	79.4	90.7	94.9	97.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0

TOTAL NUMBER OF OBSERVATIONS

97

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13773
STATIONQUANTICO, VIRGINIA
STATION NAME

73-77

YEARS

AUG
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	6.4	28.1	36.8	43.6	48.9	51.1	52.9	53.4	53.4	53.8	53.8	53.8	53.8	53.9
≥ 20000	7.5	33.7	43.3	51.5	57.5	59.9	61.9	62.5	62.5	62.9	62.9	62.9	62.9	63.0
≥ 18000	7.5	34.1	43.7	51.9	57.9	60.3	62.3	62.9	62.9	63.3	63.3	63.3	63.3	63.4
≥ 16000	7.5	34.1	43.7	51.9	57.9	60.3	62.3	62.9	62.9	63.3	63.3	63.3	63.3	63.4
≥ 14000	7.5	34.4	44.2	52.3	58.3	60.7	62.7	63.3	63.3	63.7	63.7	63.7	63.7	63.8
≥ 12000	7.7	35.5	45.3	53.7	59.9	62.5	64.4	65.0	65.0	65.4	65.4	65.4	65.4	65.5
≥ 10000	8.2	38.2	49.0	58.6	65.8	68.6	70.8	71.4	71.4	71.8	71.8	71.8	71.8	71.9
≥ 9000	8.2	38.4	49.2	58.8	66.0	68.8	71.0	71.6	71.6	72.0	72.0	72.0	72.0	72.1
≥ 8000	8.4	41.4	53.9	64.2	71.5	74.5	77.0	77.6	77.6	78.0	78.0	78.0	78.0	78.1
≥ 7000	8.4	41.8	54.3	64.6	71.9	74.9	77.4	78.0	78.0	78.4	78.4	78.4	78.4	78.5
≥ 6000	8.4	42.0	54.5	64.8	72.2	75.2	77.7	78.3	78.3	78.7	78.7	78.7	78.7	78.8
≥ 5000	8.4	42.7	55.9	66.2	73.6	76.7	79.4	80.0	80.0	80.4	80.4	80.4	80.4	80.5
≥ 4500	8.4	42.9	56.2	66.5	74.3	77.2	79.9	80.5	80.5	80.9	80.9	80.9	80.9	81.0
≥ 4000	8.8	44.4	58.1	68.8	77.1	80.1	82.9	83.6	83.6	84.0	84.0	84.0	84.0	84.1
≥ 3500	8.8	45.7	59.5	70.4	78.8	81.9	84.7	85.5	85.5	85.9	85.9	85.9	85.9	86.0
≥ 3000	8.9	46.9	61.2	72.9	81.9	85.2	88.1	89.0	89.0	89.5	89.5	89.5	89.5	89.6
≥ 2500	9.3	47.8	62.6	74.5	83.8	87.4	90.4	91.4	91.4	91.9	91.9	91.9	91.9	92.0
≥ 2000	9.4	48.3	63.2	75.2	84.8	88.6	91.7	92.8	92.8	93.3	93.3	93.3	93.3	93.4
≥ 1800	9.4	48.3	63.2	75.2	84.8	88.6	91.8	92.9	92.9	93.4	93.4	93.4	93.4	93.5
≥ 1500	9.4	49.3	64.3	76.6	86.5	90.3	93.6	94.7	94.7	95.2	95.2	95.2	95.2	95.3
≥ 1200	9.5	49.8	64.8	77.3	87.3	91.2	94.5	95.6	95.6	96.1	96.1	96.1	96.1	96.2
≥ 1000	9.5	49.9	65.2	77.7	88.1	92.3	95.6	96.7	96.7	97.7	97.7	97.7	97.7	97.8
≥ 900	9.5	49.9	65.2	77.8	88.2	92.4	95.7	96.9	96.9	97.8	97.8	97.8	97.8	97.9
≥ 800	9.5	50.0	65.3	78.0	88.5	92.8	96.2	97.4	97.4	98.3	98.3	98.3	98.3	98.4
≥ 700	9.5	50.1	65.4	78.1	88.6	92.9	96.3	97.5	97.5	98.5	98.5	98.5	98.5	98.7
≥ 600	9.5	50.1	65.4	78.1	88.7	93.0	96.5	97.7	97.7	98.9	98.9	98.9	98.9	99.1
≥ 500	9.5	50.2	65.5	78.2	88.8	93.2	96.7	97.9	97.9	99.3	99.3	99.3	99.3	99.7
≥ 400	9.5	50.2	65.5	78.2	88.9	93.3	96.9	98.1	98.1	99.5	99.5	99.5	99.5	99.9
≥ 300	9.5	50.2	65.5	78.2	88.9	93.3	96.9	98.1	98.1	99.5	99.5	99.5	99.5	99.9
≥ 200	9.5	50.2	65.5	78.2	88.9	93.3	97.0	98.2	98.2	99.6	99.6	99.6	99.6	100.0
≥ 100	9.5	50.2	65.5	78.2	88.9	93.3	97.0	98.2	98.2	99.6	99.6	99.6	99.6	100.0
≥ 0	9.5	50.2	65.5	78.2	88.9	93.3	97.0	98.2	98.2	99.6	99.6	99.6	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS

983

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

13773

QUANTICO, VIRGINIA

73-75

SEP

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

01

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	1.1	26.7	38.9	44.4	48.9	50.0	50.0	50.0	50.0	51.1	51.1	51.1	51.1	51.1
≥ 20000	1.1	27.8	42.2	47.8	53.3	54.4	54.4	55.6	55.6	56.7	56.7	56.7	56.7	56.7
≥ 18000	1.1	27.8	43.3	48.9	54.4	55.6	55.6	56.7	56.7	57.8	57.8	57.8	57.8	57.8
≥ 16000	1.1	27.8	44.4	50.0	55.6	56.7	56.7	57.8	57.8	58.9	58.9	58.9	58.9	58.9
≥ 14000	1.1	27.8	44.4	50.0	55.6	56.7	56.7	57.8	57.8	58.9	58.9	58.9	58.9	58.9
≥ 12000	1.1	27.8	44.4	51.1	56.7	57.8	57.8	58.9	58.9	60.0	60.0	60.0	60.0	60.0
10000	1.1	32.2	51.1	57.8	63.3	64.4	64.4	65.6	65.6	66.7	66.7	66.7	66.7	66.7
9000	1.1	32.2	51.1	57.8	63.3	64.4	64.4	65.6	65.6	66.7	66.7	66.7	66.7	66.7
8000	1.1	36.7	55.6	63.3	68.9	70.0	70.0	71.1	71.1	72.2	72.2	72.2	72.2	72.2
7000	1.1	37.8	56.7	64.4	70.0	71.1	71.1	72.2	72.2	73.3	73.3	73.3	73.3	73.3
6000	1.1	38.9	57.8	65.6	71.1	72.2	72.2	73.3	73.3	74.4	74.4	74.4	74.4	74.4
5000	1.1	40.0	58.9	66.7	72.2	73.3	73.3	74.4	74.4	75.6	75.6	75.6	75.6	75.6
4500	1.1	40.0	58.9	66.7	72.2	73.3	73.3	74.4	74.4	75.6	75.6	75.6	75.6	75.6
4000	1.1	41.1	61.1	68.9	75.6	76.7	76.7	77.8	77.8	78.9	78.9	78.9	78.9	78.9
3500	1.1	44.4	65.6	75.6	82.2	83.3	83.3	84.4	84.4	85.6	85.6	85.6	85.6	85.6
3000	1.1	45.6	67.8	77.8	84.4	85.6	85.6	86.7	86.7	87.8	87.8	87.8	87.8	87.8
2500	1.1	46.7	70.0	80.0	86.7	87.8	87.8	88.9	88.9	90.0	90.0	90.0	90.0	90.0
2000	1.1	46.7	70.0	80.0	86.7	87.8	87.8	88.9	88.9	90.0	90.0	90.0	90.0	90.0
1800	1.1	46.7	70.0	80.0	86.7	87.8	87.8	88.9	88.9	90.0	90.0	90.0	90.0	90.0
1500	1.1	46.7	71.1	81.1	87.8	88.9	88.9	90.0	90.0	91.1	91.1	91.1	91.1	91.1
1200	1.1	46.7	71.1	81.1	87.8	88.9	88.9	90.0	90.0	91.1	91.1	91.1	91.1	91.1
1000	1.1	46.7	71.1	81.1	87.8	88.9	88.9	90.0	90.0	91.1	91.1	91.1	91.1	91.1
900	1.1	46.7	71.1	81.1	87.8	88.9	88.9	90.0	90.0	91.1	91.1	91.1	91.1	91.1
800	1.1	46.7	71.1	81.1	87.8	88.9	88.9	90.0	90.0	91.1	91.1	91.1	91.1	91.1
700	1.1	46.7	71.1	81.1	87.8	88.9	88.9	90.0	90.0	91.1	91.1	91.1	91.1	91.1
600	1.1	46.7	71.1	81.1	87.8	88.9	88.9	90.0	90.0	91.1	91.1	91.1	91.1	91.1
500	1.1	46.7	71.1	81.1	87.8	88.9	88.9	90.0	90.0	91.1	91.1	91.1	91.1	91.1
400	1.1	46.7	71.1	81.1	87.8	88.9	88.9	90.0	90.0	91.1	91.1	91.1	91.1	91.1
300	1.1	46.7	71.1	81.1	87.8	88.9	88.9	90.0	90.0	91.1	91.1	91.1	91.1	91.1
200	1.1	46.7	71.1	81.1	87.8	88.9	88.9	90.0	90.0	91.1	91.1	91.1	91.1	91.1
100	1.1	46.7	71.1	81.1	87.8	88.9	88.9	90.0	90.0	91.1	91.1	91.1	91.1	91.1
0	1.1	46.7	71.1	81.1	87.8	88.9	88.9	90.0	90.0	91.1	91.1	91.1	91.1	91.1

TOTAL NUMBER OF OBSERVATIONS

90

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-75

YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

04
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16	≥ ¼
NO CEILING													
≥ 20000		24.4	32.2	41.1	44.4	44.4	46.7	47.8	47.8	48.9	50.0	50.0	51.1
≥ 18000		27.8	36.7	45.6	50.0	50.0	52.2	53.3	53.3	54.4	55.6	55.6	56.7
≥ 16000		27.8	36.7	45.6	50.0	50.0	52.2	53.3	53.3	54.4	55.6	55.6	56.7
≥ 14000		27.8	36.7	45.6	50.0	50.0	52.2	53.3	53.3	54.4	55.6	55.6	56.7
≥ 12000		27.8	36.7	45.6	50.0	50.0	52.2	53.3	53.3	54.4	55.6	55.6	56.7
≥ 10000		31.1	41.1	50.0	55.6	55.6	57.8	58.9	58.9	60.0	61.1	61.1	62.2
≥ 9000		31.1	41.1	50.0	55.6	55.6	57.8	58.9	58.9	60.0	61.1	61.1	62.2
8000		34.4	46.7	60.0	65.6	65.6	67.8	68.9	68.9	70.0	71.1	71.1	72.2
7000	1.1	35.6	47.8	61.1	66.7	66.7	68.9	70.0	70.0	71.1	72.2	72.2	73.3
6000	1.1	35.6	47.8	61.1	66.7	66.7	68.9	70.0	70.0	71.1	72.2	72.2	73.3
5000	1.1	35.6	47.8	61.1	66.7	66.7	68.9	70.0	70.0	71.1	72.2	72.2	73.3
4500	1.1	35.6	47.8	61.1	66.7	66.7	68.9	70.0	70.0	71.1	72.2	72.2	73.3
4000	1.1	36.7	52.2	65.6	71.1	71.1	73.3	74.4	74.4	75.6	76.7	76.7	77.8
3500	1.1	36.7	52.2	65.6	71.1	71.1	73.3	74.4	74.4	75.6	76.7	76.7	77.8
3000	1.1	40.0	55.6	68.9	74.4	74.4	76.7	77.8	77.8	78.9	80.0	80.0	81.1
2500	1.1	42.2	57.8	71.1	76.7	76.7	78.9	80.0	80.0	81.1	82.2	82.2	83.3
2000	1.1	43.3	58.9	72.2	78.9	78.9	82.2	83.3	83.3	84.4	85.6	85.6	86.7
1800	1.1	43.3	58.9	72.2	78.9	78.9	82.2	83.3	83.3	84.4	85.6	85.6	86.7
1500	1.1	43.3	60.0	73.3	80.0	80.0	83.3	84.4	84.4	85.6	86.7	86.7	87.8
1200	1.1	43.3	60.0	73.3	80.0	80.0	83.3	84.4	84.4	85.6	86.7	86.7	87.8
1000	1.1	43.3	60.0	73.3	81.1	81.1	83.3	84.4	84.4	85.6	86.7	86.7	87.8
900	1.1	44.4	61.1	74.4	82.2	82.2	84.4	85.6	85.6	86.7	87.8	87.8	88.9
800	1.1	44.4	61.1	74.4	82.2	82.2	84.4	85.6	85.6	86.7	87.8	87.8	88.9
700	1.1	44.4	61.1	74.4	82.2	82.2	84.4	85.6	85.6	86.7	87.8	87.8	88.9
600	1.1	44.4	61.1	74.4	82.2	82.2	84.4	85.6	85.6	86.7	87.8	87.8	88.9
500	1.1	44.4	61.1	74.4	82.2	82.2	84.4	85.6	85.6	86.7	87.8	87.8	88.9
400	1.1	44.4	61.1	74.4	82.2	82.2	84.4	85.6	85.6	86.7	87.8	87.8	88.9
300	1.1	44.4	61.1	74.4	82.2	82.2	84.4	85.6	85.6	86.7	87.8	87.8	88.9
200	1.1	44.4	61.1	74.4	82.2	82.2	84.4	85.6	85.6	86.7	87.8	87.8	88.9
100	1.1	44.4	61.1	74.4	82.2	82.2	84.4	85.6	85.6	86.7	87.8	87.8	88.9
0	1.1	44.4	61.1	74.4	82.2	82.2	84.4	85.6	85.6	86.7	87.8	87.8	88.9

TOTAL NUMBER OF OBSERVATIONS

90

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-77

YEARS

SEP
MONTH

07
MOUSE (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	9.4	25.9	30.2	32.4	36.0	37.4	39.6	39.6	39.6	39.6	39.6	39.6	40.3	40.3	40.3
≥ 20000	11.5	32.4	36.7	38.9	42.5	44.6	46.8	47.5	47.5	47.5	47.5	47.5	48.2	48.2	48.2
≥ 18000	11.5	32.4	36.7	38.9	42.5	44.6	46.8	47.5	47.5	47.5	47.5	47.5	48.2	48.2	48.2
≥ 16000	11.5	32.4	36.7	38.9	42.5	44.6	46.8	47.5	47.5	47.5	47.5	47.5	48.2	48.2	48.2
≥ 14000	11.5	33.1	37.4	39.6	43.2	45.3	47.5	48.2	48.2	48.2	48.2	48.2	48.9	48.9	48.9
≥ 12000	11.5	35.3	39.6	41.7	45.3	47.5	49.6	50.4	50.4	50.4	50.4	50.4	51.1	51.1	51.1
≥ 10000	12.2	38.9	44.6	46.8	50.4	52.5	55.4	56.1	56.1	56.1	56.1	56.1	56.8	56.8	56.8
≥ 9000	12.2	38.9	44.6	46.8	50.4	52.5	55.4	56.1	56.1	56.1	56.1	56.1	56.8	56.8	56.8
≥ 8000	13.7	46.8	53.2	56.1	60.4	63.3	66.2	67.6	67.6	67.6	67.6	67.6	68.4	68.4	68.4
≥ 7000	13.7	46.8	53.2	56.1	60.4	63.3	66.2	67.6	67.6	67.6	67.6	67.6	68.4	68.4	68.4
≥ 6000	13.7	46.8	53.2	56.1	60.4	63.3	66.2	67.6	67.6	67.6	67.6	67.6	68.4	68.4	68.4
≥ 5000	14.4	48.2	54.7	57.6	61.2	64.0	66.9	69.1	70.5	70.5	70.5	70.5	71.2	71.2	71.2
≥ 4500	14.4	48.2	54.7	57.6	61.2	64.0	66.9	69.1	70.5	70.5	70.5	70.5	71.2	71.2	71.2
≥ 4000	15.1	51.1	57.6	61.2	68.4	71.2	74.1	76.3	76.3	76.3	76.3	76.3	77.0	77.0	77.0
≥ 3500	15.8	53.2	59.7	63.3	70.5	73.4	76.3	78.4	78.4	78.4	78.4	78.4	79.1	79.1	79.1
≥ 3000	15.8	54.0	60.4	64.0	71.2	74.2	77.7	79.9	79.9	79.9	79.9	79.9	80.6	80.6	80.6
≥ 2500	15.8	54.0	60.4	64.0	71.2	74.2	77.7	79.9	79.9	79.9	79.9	79.9	80.6	80.6	80.6
≥ 2000	15.8	55.4	62.6	66.2	74.1	78.4	81.3	84.2	84.2	84.2	84.2	84.2	84.9	84.9	84.9
≥ 1800	15.8	56.1	63.3	66.9	74.8	79.1	82.0	84.9	84.9	84.9	84.9	84.9	85.6	85.6	85.6
≥ 1500	16.6	56.8	64.0	67.6	76.3	80.6	83.5	86.3	86.3	86.3	86.3	86.3	87.1	87.1	87.1
≥ 1200	16.6	57.6	64.8	68.4	77.7	82.0	84.9	87.8	87.8	87.8	87.8	87.8	88.5	88.5	88.5
≥ 1000	16.6	58.3	66.2	69.8	79.9	84.9	87.8	91.4	91.4	91.4	91.4	91.4	92.8	92.8	92.8
≥ 900	16.6	58.3	66.2	69.8	79.9	84.9	87.8	91.4	91.4	91.4	91.4	91.4	92.8	92.8	92.8
≥ 800	16.6	58.3	66.2	69.8	79.9	84.9	87.8	91.4	91.4	91.4	91.4	91.4	92.8	92.8	92.8
≥ 700	16.6	58.3	66.2	69.8	79.9	84.9	87.8	91.4	91.4	91.4	91.4	91.4	92.8	92.8	92.8
≥ 600	16.6	58.3	66.2	69.8	79.9	84.9	87.8	91.4	91.4	91.4	91.4	91.4	92.8	92.8	92.8
≥ 500	16.6	59.0	67.6	71.2	81.3	88.5	91.4	95.7	95.7	95.7	95.7	95.7	96.4	96.4	96.4
≥ 400	16.6	59.7	68.4	71.9	82.0	89.2	92.1	96.4	96.4	96.4	96.4	96.4	97.1	97.1	97.1
≥ 300	16.6	59.7	68.4	71.9	82.0	89.2	92.1	96.4	96.4	96.4	96.4	96.4	97.1	97.1	97.1
≥ 200	16.6	59.7	68.4	71.9	82.0	89.2	92.1	96.4	96.4	96.4	96.4	96.4	97.1	97.1	97.1
≥ 100	16.6	59.7	68.4	71.9	82.0	89.2	92.1	96.4	96.4	96.4	96.4	96.4	97.1	97.1	97.1
≥ 0	16.6	59.7	68.4	71.9	82.0	89.2	92.1	96.4	96.4	96.4	96.4	96.4	97.1	97.1	97.1

TOTAL NUMBER OF OBSERVATIONS 139

CEILING VERSUS VISIBILITY

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-77

YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	17.1	37.1	39.3	40.7	42.9	45.0	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 20000	18.6	40.0	42.1	44.3	46.4	48.6	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥ 18000	18.6	40.0	42.1	44.3	46.4	48.6	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥ 16000	18.6	40.0	42.1	44.3	46.4	48.6	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥ 14000	18.6	40.0	42.1	44.3	46.4	48.6	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥ 12000	18.6	40.7	42.9	45.0	47.9	50.0	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
≥ 10000	19.3	44.3	47.9	50.7	53.6	55.7	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
≥ 9000	19.3	45.0	48.6	51.4	54.3	56.4	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
≥ 8000	22.1	53.6	57.1	60.0	63.6	65.7	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
≥ 7000	22.1	53.6	57.1	60.0	63.6	65.7	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
≥ 6000	22.1	53.6	57.1	60.0	63.6	65.7	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
≥ 5000	22.9	54.3	57.9	60.7	64.3	66.4	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
≥ 4500	23.6	55.0	58.6	61.4	65.0	67.1	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 4000	23.6	57.9	62.9	65.7	69.3	71.4	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 3500	24.3	58.6	63.6	66.4	70.0	72.1	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 3000	25.0	60.0	65.0	67.9	72.1	75.0	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 2500	26.4	62.1	67.1	70.0	74.3	77.1	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 2000	27.1	64.3	69.3	72.1	77.1	80.0	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 1800	27.1	65.0	70.0	72.9	77.9	80.7	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 1500	27.9	67.1	72.1	75.0	80.0	82.9	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 1200	27.9	67.9	72.9	75.7	81.4	84.3	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 1000	29.3	70.0	75.7	78.6	84.3	87.9	90.7	90.7	90.7	90.7	91.4	91.4	91.4	91.4
≥ 900	29.3	70.7	76.4	79.3	85.0	88.6	91.4	91.4	91.4	91.4	92.1	92.1	92.1	92.1
≥ 800	29.3	70.7	77.1	80.7	86.4	90.0	92.9	92.9	92.9	92.9	93.6	93.6	93.6	93.6
≥ 700	29.3	70.7	77.1	81.4	87.1	90.7	93.6	93.6	93.6	93.6	94.3	94.3	94.3	94.3
≥ 600	29.3	70.7	77.1	81.4	87.1	90.7	93.6	93.6	93.6	93.6	94.3	94.3	94.3	94.3
≥ 500	30.0	71.4	77.9	82.9	89.3	93.6	96.4	96.4	96.4	96.4	97.9	97.9	97.9	97.9
≥ 400	30.0	72.1	78.6	83.6	90.0	95.0	97.1	97.1	97.1	97.1	98.6	98.6	98.6	98.6
≥ 300	30.0	72.1	78.6	83.6	90.0	95.0	98.6	98.6	98.6	98.6	99.3	99.3	99.3	99.3
≥ 200	30.0	72.1	78.6	83.6	90.0	95.0	98.6	98.6	98.6	98.6	99.3	99.3	99.3	99.3
≥ 100	30.0	72.1	78.6	83.6	90.0	95.0	98.6	98.6	98.6	98.6	99.3	99.3	99.3	99.3
≥ 0	30.0	72.1	78.6	83.6	90.0	95.0	98.6	98.6	98.6	98.6	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS 140

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-77

YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	17.1	37.1	39.3	41.6	42.1	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
≥ 20000	20.0	44.3	47.1	50.0	50.7	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
≥ 18000	20.0	44.3	47.1	50.0	50.7	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
≥ 16000	20.0	44.3	47.1	50.0	50.7	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
≥ 14000	20.7	45.0	47.9	50.7	51.4	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
≥ 12000	21.4	47.1	50.0	52.9	53.6	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
≥ 10000	22.1	50.0	52.9	55.7	56.4	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 9000	22.1	50.0	52.9	55.7	56.4	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 8000	23.7	57.9	61.4	65.0	65.7	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
≥ 7000	23.7	57.9	61.4	65.0	65.7	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
≥ 6000	25.7	57.9	61.4	65.0	66.4	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 5000	26.4	60.0	63.6	67.1	68.6	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 4500	26.4	60.7	64.3	67.9	69.3	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 4000	27.9	64.3	69.3	72.9	75.0	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 3500	28.6	66.4	71.4	75.0	77.1	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
≥ 3000	31.4	72.9	77.9	81.4	84.3	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 2500	31.4	74.3	79.3	83.6	86.4	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 2000	31.4	76.4	81.4	85.7	88.6	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 1800	31.4	76.4	81.4	85.7	88.6	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 1500	31.4	77.9	82.9	87.1	92.1	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 1200	31.4	78.6	83.6	87.9	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 1000	32.1	79.3	84.3	88.6	93.6	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 900	32.1	79.3	84.3	88.6	93.6	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 800	32.1	80.0	85.0	89.3	95.0	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 700	32.1	80.0	85.0	89.3	95.0	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 600	32.1	80.0	85.0	89.3	95.0	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 500	32.9	80.7	85.7	90.0	96.4	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 400	32.9	80.7	85.7	90.0	96.4	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 300	32.9	81.4	86.4	90.7	97.1	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 200	32.9	81.4	86.4	90.7	97.1	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 100	32.9	81.4	86.4	90.7	97.1	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
0	32.9	81.4	86.4	90.7	97.1	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9

TOTAL NUMBER OF OBSERVATIONS

140

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-77

YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

16
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	29.2	46.0	49.6	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
≥ 20000	32.7	51.3	54.9	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 18000	32.7	52.2	55.8	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 16000	32.7	52.2	55.8	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 14000	32.7	52.2	55.8	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 12000	34.5	54.0	57.5	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
≥ 10000	37.2	59.3	63.7	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
≥ 9000	37.2	59.3	63.7	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
≥ 8000	38.9	67.3	71.7	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 7000	38.9	67.3	71.7	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 6000	38.9	68.1	72.6	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 5000	38.9	69.0	73.5	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 4500	38.9	69.9	74.3	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 4000	38.9	70.8	76.1	80.5	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 3500	40.7	74.3	79.7	85.0	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 3000	40.7	77.0	82.3	87.6	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 2500	40.7	77.9	83.2	89.4	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 2000	41.6	78.8	84.1	90.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 1800	42.5	79.7	85.0	91.2	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 1500	42.5	79.7	85.0	91.2	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 1200	42.5	79.7	85.0	91.2	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 1000	42.5	80.5	85.8	92.0	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 900	43.4	81.4	86.7	92.9	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 800	43.4	81.4	86.7	92.9	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 700	43.4	81.4	86.7	92.9	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 600	43.4	81.4	86.7	92.9	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 500	43.4	83.2	88.5	94.7	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 400	43.4	83.2	88.5	94.7	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 300	43.4	83.2	88.5	94.7	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 200	43.4	83.2	88.5	94.7	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 100	43.4	83.2	88.5	94.7	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 0	43.4	83.2	88.5	94.7	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4

TOTAL NUMBER OF OBSERVATIONS

113

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

13773

QUANTICO, VIRGINIA

73-77

SEP

STATION NAME

STATION NAME

YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH

19

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING	10.1	41.4	44.4	46.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 20000	11.1	44.4	49.5	51.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 18000	11.1	44.4	49.5	51.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 16000	11.1	44.4	49.5	51.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 14000	11.1	44.4	49.5	51.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 12000	11.1	46.5	51.5	53.5	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
≥ 10000	11.1	48.5	53.5	55.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
≥ 9000	11.1	48.5	53.5	55.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
≥ 8000	12.1	59.6	65.7	68.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 7000	12.1	59.6	65.7	68.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 6000	12.1	59.6	65.7	68.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 5000	12.1	60.6	66.7	69.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 4500	12.1	60.6	66.7	69.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 4000	14.1	66.7	72.7	75.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
≥ 3500	14.1	68.7	74.8	77.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 3000	15.2	72.7	79.8	82.8	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 2500	15.2	73.7	80.8	83.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥ 2000	15.2	74.8	81.8	84.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥ 1800	15.2	74.8	81.8	84.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥ 1500	15.2	74.8	82.8	85.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 1200	15.2	74.8	82.8	85.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 1000	15.2	75.8	83.8	87.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 900	15.2	75.8	83.8	87.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 800	15.2	76.8	84.9	88.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 700	15.2	76.8	84.9	88.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 600	15.2	77.8	85.9	89.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 500	15.2	77.8	85.9	89.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 400	15.2	78.8	86.9	90.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 300	15.2	78.8	86.9	90.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 200	15.2	78.8	86.9	90.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 100	15.2	78.8	86.9	90.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 0	15.2	78.8	86.9	90.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0

TOTAL NUMBER OF OBSERVATIONS

99

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13773

QUANTICO, VIRGINIA

73-75

SEP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

22

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	3.3	27.8	34.4	40.0	43.3	43.3	43.3	43.3	43.3	44.4	44.4	44.4	44.4
≥ 20000	5.6	32.2	42.2	50.0	54.4	54.4	54.4	54.4	54.4	55.6	55.6	55.6	55.6
18000	5.6	33.3	43.3	51.1	55.6	55.6	55.6	55.6	55.6	56.7	56.7	56.7	56.7
16000	5.6	33.3	43.3	51.1	55.6	55.6	55.6	55.6	55.6	56.7	56.7	56.7	56.7
14000	5.6	33.3	43.3	51.1	55.6	55.6	55.6	55.6	55.6	56.7	56.7	56.7	56.7
12000	5.6	34.4	44.4	52.2	56.7	56.7	56.7	56.7	56.7	57.8	57.8	57.8	57.8
10000	5.6	37.8	48.9	56.7	61.1	61.1	61.1	61.1	61.1	62.2	62.2	62.2	62.2
8000	5.6	46.7	58.9	66.7	71.1	71.1	71.1	71.1	71.1	73.3	73.3	73.3	73.3
7000	5.6	46.7	58.9	66.7	71.1	71.1	71.1	71.1	71.1	73.3	73.3	73.3	73.3
6000	5.6	46.7	58.9	66.7	71.1	71.1	71.1	71.1	71.1	73.3	73.3	73.3	73.3
5000	5.6	47.8	60.0	67.8	72.2	72.2	72.2	72.2	72.2	74.4	74.4	74.4	74.4
4500	5.6	47.8	60.0	67.8	73.3	73.3	73.3	73.3	73.3	75.6	75.6	75.6	75.6
4000	5.6	51.1	65.6	73.3	78.9	78.9	78.9	78.9	78.9	81.1	81.1	81.1	81.1
3500	5.6	51.1	67.8	75.6	81.1	81.1	81.1	81.1	81.1	83.3	83.3	83.3	83.3
3000	5.6	53.3	71.1	78.9	84.4	84.4	84.4	84.4	84.4	86.7	86.7	86.7	86.7
2500	5.6	53.3	71.1	78.9	84.4	84.4	84.4	84.4	84.4	86.7	86.7	86.7	86.7
2000	5.6	54.4	72.2	80.0	85.6	85.6	85.6	85.6	85.6	87.8	87.8	87.8	87.8
1800	5.6	54.4	72.2	80.0	86.7	86.7	86.7	86.7	86.7	88.9	88.9	88.9	88.9
1500	5.6	55.6	74.4	82.2	88.9	88.9	88.9	88.9	88.9	91.1	91.1	91.1	91.1
1200	5.6	55.6	74.4	82.2	88.9	88.9	88.9	88.9	88.9	91.1	91.1	91.1	91.1
1000	5.6	56.7	75.6	83.3	90.0	90.0	90.0	90.0	90.0	92.2	92.2	92.2	92.2
900	5.6	56.7	75.6	83.3	90.0	90.0	90.0	90.0	90.0	92.2	92.2	92.2	92.2
800	5.6	57.8	76.7	84.4	91.1	91.1	91.1	91.1	91.1	93.3	93.3	93.3	93.3
700	5.6	57.8	76.7	84.4	91.1	91.1	91.1	91.1	91.1	93.3	93.3	93.3	93.3
600	5.6	57.8	76.7	84.4	91.1	91.1	91.1	91.1	91.1	93.3	93.3	93.3	93.3
500	5.6	57.8	76.7	84.4	91.1	91.1	91.1	91.1	91.1	93.3	93.3	93.3	93.3
400	5.6	57.8	76.7	84.4	91.1	91.1	91.1	91.1	91.1	93.3	93.3	93.3	93.3
300	5.6	57.8	76.7	84.4	91.1	91.1	91.1	91.1	91.1	93.3	93.3	93.3	93.3
200	5.6	57.8	76.7	84.4	91.1	91.1	91.1	91.1	91.1	93.3	93.3	93.3	93.3
100	5.6	57.8	76.7	84.4	91.1	91.1	91.1	91.1	91.1	93.3	93.3	93.3	93.3
0	5.6	57.8	76.7	84.4	91.1	91.1	91.1	91.1	91.1	93.3	93.3	93.3	93.3

TOTAL NUMBER OF OBSERVATIONS

90

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-77

YEAR

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	12.0	33.7	38.5	42.0	44.2	45.0	45.7	45.8	45.8	46.2	46.3	46.4	46.5
≥ 20000	13.8	38.2	44.0	47.8	50.5	51.4	52.3	52.6	52.6	52.9	53.1	53.2	53.3
≥ 18000	13.8	38.4	44.3	48.2	50.8	51.7	52.6	52.9	52.9	53.3	53.4	53.5	53.6
≥ 16000	13.8	38.4	44.4	48.3	50.9	51.8	52.7	53.1	53.1	53.4	53.5	53.6	53.7
≥ 14000	13.9	38.6	44.6	48.5	51.3	52.2	53.1	53.4	53.4	53.7	53.8	53.9	54.1
≥ 12000	14.2	40.0	46.0	49.9	52.7	53.6	54.5	54.8	54.8	55.2	55.3	55.4	55.5
≥ 10000	14.9	43.5	50.5	54.6	57.6	58.5	59.5	59.8	59.8	60.2	60.3	60.4	60.5
≥ 9000	14.9	43.6	50.6	54.7	57.7	58.6	59.6	59.9	59.9	60.3	60.4	60.5	60.6
≥ 8000	16.4	51.3	58.9	63.9	67.2	68.2	69.2	69.6	69.6	70.0	70.1	70.3	70.4
≥ 7000	16.5	51.5	59.2	64.2	67.5	68.5	69.5	69.9	69.9	70.4	70.5	70.6	70.7
≥ 6000	16.5	51.6	59.3	64.3	67.7	68.7	69.7	70.1	70.1	70.6	70.7	70.8	70.9
≥ 5000	16.9	52.7	60.4	65.4	68.9	69.9	70.9	71.4	71.4	71.8	71.9	72.0	72.1
≥ 4500	17.0	53.2	60.6	65.8	69.6	70.6	71.6	72.0	72.0	72.5	72.6	72.7	72.8
≥ 4000	17.5	55.8	64.6	69.9	74.4	75.4	76.4	76.9	76.9	77.4	77.5	77.6	77.7
≥ 3500	18.1	57.4	66.5	71.9	76.4	77.4	78.4	78.9	78.9	79.4	79.5	79.6	79.7
≥ 3000	18.8	60.4	69.8	75.5	80.2	81.5	82.5	83.0	83.0	83.5	83.6	83.7	83.8
≥ 2500	19.0	61.5	71.0	76.9	81.7	82.9	83.9	84.6	84.6	85.0	85.1	85.2	85.4
≥ 2000	19.2	62.9	72.7	78.6	83.7	85.0	86.1	86.9	86.9	87.4	87.5	87.6	87.7
≥ 1800	19.3	63.3	73.0	78.9	84.1	85.5	86.6	87.4	87.4	87.8	87.9	88.0	88.1
≥ 1500	19.5	64.0	74.3	80.1	85.8	87.1	88.2	89.0	89.0	89.6	89.7	89.8	89.9
≥ 1200	19.5	64.4	74.6	80.6	86.5	87.8	89.0	89.9	89.9	90.5	90.6	90.7	90.8
≥ 1000	19.9	65.3	75.7	81.7	87.8	89.7	90.9	91.9	91.9	92.6	92.8	92.9	93.0
≥ 900	20.0	65.6	76.0	82.0	88.1	90.1	91.3	92.3	92.3	93.0	93.2	93.3	93.5
≥ 800	20.0	65.9	76.5	82.6	88.8	91.1	92.3	93.5	93.5	94.1	94.3	94.5	94.6
≥ 700	20.0	65.9	76.5	82.7	89.0	91.5	92.7	93.8	93.8	94.5	94.7	94.8	94.9
≥ 600	20.0	66.0	76.6	82.8	89.1	91.6	92.8	93.9	93.9	94.7	95.0	95.1	95.2
≥ 500	20.2	66.6	77.3	83.6	90.1	93.0	94.8	96.1	96.1	96.9	97.2	97.3	97.5
≥ 400	20.2	66.9	77.7	84.0	90.7	93.7	95.6	96.9	96.9	97.7	98.0	98.1	98.2
≥ 300	20.2	67.0	77.8	84.1	90.9	94.0	96.1	97.6	97.6	98.6	99.0	99.1	99.2
≥ 200	20.2	67.0	77.8	84.1	90.9	94.0	96.2	97.7	97.7	98.9	99.3	99.5	99.6
≥ 100	20.2	67.0	77.8	84.1	90.9	94.0	96.2	97.7	97.7	98.9	99.3	99.5	99.6
≥ 0	20.2	67.0	77.8	84.1	90.9	94.0	96.2	97.7	97.7	98.9	99.3	99.5	99.6

TOTAL NUMBER OF OBSERVATIONS

901

CEILING VERSUS VISIBILITY

13773

QUANTICO, VIRGINIA

73-75

UCT

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

01
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	1.1	53.8	60.2	61.3	66.7	66.7	66.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 20000	1.1	54.8	61.3	62.4	67.7	67.7	69.9	71.0	71.0	71.0	71.0	71.0	71.0
≥ 18000	1.1	54.8	61.3	62.4	67.7	67.7	69.9	71.0	71.0	71.0	71.0	71.0	71.0
≥ 16000	1.1	54.8	61.3	62.4	67.7	67.7	69.9	71.0	71.0	71.0	71.0	71.0	71.0
≥ 14000	1.1	54.8	61.3	62.4	67.7	67.7	69.9	71.0	71.0	71.0	71.0	71.0	71.0
≥ 12000	1.1	54.8	61.3	62.4	67.7	67.7	69.9	71.0	71.0	71.0	71.0	71.0	71.0
≥ 10000	1.1	58.1	64.5	65.6	71.0	72.0	75.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 9000	1.1	58.1	64.5	65.6	71.0	72.0	75.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 8000	1.1	61.3	68.8	69.9	75.3	76.3	79.6	80.7	80.7	80.7	80.7	80.7	80.7
≥ 7000	1.1	61.3	68.8	71.0	76.3	77.4	80.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 6000	1.1	61.3	68.8	71.0	76.3	77.4	80.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 5000	1.1	62.4	71.0	73.1	78.5	79.6	82.8	83.9	83.9	83.9	83.9	83.9	83.9
≥ 4500	1.1	62.4	71.0	73.1	78.5	79.6	82.8	83.9	83.9	83.9	83.9	83.9	83.9
≥ 4000	1.1	63.4	74.2	77.4	82.8	83.9	87.1	88.2	88.2	88.2	88.2	88.2	88.2
≥ 3500	1.1	64.5	75.3	78.5	83.9	85.0	88.2	89.3	89.3	89.3	89.3	89.3	89.3
≥ 3000	1.1	65.6	77.4	80.7	86.0	87.1	90.3	91.4	91.4	91.4	91.4	91.4	91.4
≥ 2500	1.1	67.7	79.6	82.8	88.2	89.3	92.5	93.6	93.6	93.6	93.6	93.6	93.6
≥ 2000	1.1	67.7	79.6	82.8	88.2	89.3	92.5	93.6	93.6	93.6	93.6	93.6	93.6
≥ 1800	1.1	67.7	79.6	82.8	89.3	90.3	93.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 1500	1.1	67.7	79.6	82.8	89.3	90.3	93.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 1200	1.1	67.7	79.6	82.8	89.3	90.3	93.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 1000	1.1	67.7	79.6	82.8	90.3	91.4	94.6	95.7	95.7	95.7	95.7	95.7	95.7
≥ 900	1.1	67.7	79.6	82.8	90.3	91.4	94.6	95.7	95.7	95.7	95.7	95.7	95.7
≥ 800	1.1	67.7	79.6	82.8	90.3	91.4	94.6	95.7	95.7	95.7	95.7	95.7	95.7
≥ 700	1.1	67.7	79.6	82.8	90.3	91.4	94.6	95.7	95.7	95.7	95.7	95.7	95.7
≥ 600	1.1	67.7	79.6	82.8	90.3	91.4	94.6	95.7	95.7	95.7	95.7	95.7	95.7
≥ 500	1.1	67.7	79.6	82.8	90.3	91.4	94.6	95.7	95.7	95.7	95.7	95.7	95.7
≥ 400	1.1	67.7	79.6	82.8	91.4	92.5	97.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	1.1	67.7	79.6	82.8	91.4	92.5	97.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	1.1	67.7	79.6	82.8	91.4	92.5	97.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	1.1	67.7	79.6	82.8	91.4	92.5	97.9	100.0	100.0	100.0	100.0	100.0	100.0
0	1.1	67.7	79.6	82.8	91.4	92.5	97.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

93

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-76

YEARS

OCT
MONTH

04
HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	9	53.9	58.3	62.6	65.2	66.1	66.1	66.1	66.1	66.1	67.0	67.0	67.0	67.0
≥ 20000	9	53.9	58.3	63.5	66.1	67.0	67.8	68.7	68.7	68.7	69.6	69.6	69.6	69.6
At 18000	9	53.9	58.3	63.5	66.1	67.0	67.8	68.7	68.7	68.7	69.6	69.6	69.6	69.6
At 16000	9	53.9	58.3	63.5	66.1	67.0	67.8	68.7	68.7	68.7	69.6	69.6	69.6	69.6
At 14000	9	53.9	58.3	63.5	66.1	67.0	67.8	68.7	68.7	68.7	69.6	69.6	69.6	69.6
At 12000	9	54.8	60.0	65.2	67.8	68.7	69.6	70.4	70.4	70.4	71.3	71.3	71.3	71.3
At 10000	9	58.3	63.5	69.6	72.2	73.0	73.9	74.8	74.8	74.8	75.7	75.7	75.7	75.7
At 9000	9	58.3	63.5	69.6	72.2	73.0	73.9	74.8	74.8	74.8	75.7	75.7	75.7	75.7
At 8000	9	60.9	66.1	71.3	75.7	76.5	77.4	78.3	78.3	78.3	79.1	79.1	79.1	79.1
At 7000	9	60.9	66.1	71.3	75.7	76.5	77.4	78.3	78.3	78.3	79.1	79.1	79.1	79.1
At 6000	9	60.9	66.1	71.3	75.7	76.5	77.4	78.3	78.3	78.3	79.1	79.1	79.1	79.1
At 5000	9	60.9	67.0	73.9	76.5	77.4	78.3	79.1	79.1	79.1	80.0	80.0	80.0	80.0
At 4500	9	61.7	67.8	74.8	77.4	78.3	79.1	80.0	80.0	80.0	80.9	80.9	80.9	80.9
At 4000	9	65.2	71.3	79.1	81.7	82.6	83.5	84.4	84.4	84.4	85.2	85.2	85.2	85.2
At 3500	9	65.2	71.3	79.1	81.7	82.6	83.5	84.4	84.4	84.4	85.2	85.2	85.2	85.2
At 3000	9	66.1	72.2	81.7	85.2	86.1	87.0	87.8	87.8	87.8	88.7	88.7	88.7	88.7
At 2500	9	68.7	74.8	84.4	87.8	88.7	89.6	90.4	90.4	90.4	91.3	91.3	91.3	91.3
At 2000	9	69.6	75.7	85.2	88.7	89.6	90.4	91.3	91.3	91.3	92.2	92.2	92.2	92.2
At 1800	9	69.6	75.7	85.2	88.7	89.6	90.4	91.3	91.3	91.3	92.2	92.2	92.2	92.2
At 1500	9	69.6	75.7	85.2	88.7	89.6	90.4	91.3	91.3	91.3	92.2	92.2	92.2	92.2
At 1200	9	69.6	75.7	85.2	88.7	89.6	90.4	91.3	91.3	91.3	92.2	92.2	92.2	92.2
At 1000	9	69.6	75.7	85.2	88.7	89.6	90.4	91.3	91.3	91.3	92.2	92.2	92.2	92.2
At 900	9	69.6	75.7	85.2	88.7	89.6	90.4	91.3	91.3	91.3	92.2	92.2	92.2	92.2
At 800	9	69.6	75.7	85.2	88.7	89.6	90.4	91.3	91.3	91.3	92.2	92.2	92.2	92.2
At 700	9	69.6	75.7	85.2	88.7	89.6	90.4	91.3	91.3	91.3	92.2	92.2	92.2	92.2
At 600	9	69.6	75.7	85.2	88.7	89.6	90.4	91.3	91.3	91.3	92.2	92.2	92.2	92.2
At 500	9	69.6	75.7	85.2	88.7	89.6	90.4	91.3	91.3	91.3	92.2	92.2	92.2	92.2
At 400	9	69.6	75.7	85.2	88.7	89.6	90.4	91.3	91.3	91.3	92.2	92.2	92.2	92.2
At 300	9	69.6	75.7	85.2	88.7	89.6	90.4	91.3	91.3	91.3	92.2	92.2	92.2	92.2
At 200	9	69.6	75.7	85.2	88.7	89.6	90.4	91.3	91.3	91.3	92.2	92.2	92.2	92.2
At 100	9	69.6	75.7	85.2	88.7	89.6	90.4	91.3	91.3	91.3	92.2	92.2	92.2	92.2
At 0	9	69.6	75.7	85.2	88.7	89.6	90.4	91.3	91.3	91.3	92.2	92.2	92.2	92.2

TOTAL NUMBER OF OBSERVATIONS

115

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-77

YEARS

OCT
MONTH

07
HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	15.8	35.3	38.4	42.1	45.9	46.6	48.1	48.1	48.9	48.9	48.9	48.9	48.9
≥ 20000	16.5	37.6	40.6	44.4	48.9	49.6	51.1	51.1	51.9	51.9	51.9	51.9	51.9
≥ 18000	16.5	37.6	40.6	44.4	48.9	49.6	51.1	51.1	51.9	51.9	51.9	51.9	51.9
≥ 16000	16.5	37.6	40.6	44.4	48.9	49.6	51.1	51.1	51.9	51.9	51.9	51.9	51.9
≥ 14000	16.5	37.6	40.6	44.4	48.9	49.6	51.1	51.1	51.9	51.9	51.9	51.9	51.9
≥ 12000	16.5	38.4	41.4	45.1	49.6	50.4	51.9	51.9	52.6	52.6	52.6	53.4	54.9
≥ 10000	18.1	41.4	45.1	49.6	54.1	54.9	56.4	56.4	57.1	57.1	57.1	57.9	59.4
≥ 9000	18.1	41.4	45.1	49.6	54.1	54.9	56.4	56.4	57.1	57.1	57.1	57.9	59.4
≥ 8000	21.1	46.6	51.9	56.4	60.9	61.7	63.2	63.2	63.9	63.9	63.9	64.7	66.2
≥ 7000	21.8	49.6	54.9	59.4	63.9	64.7	66.2	66.2	66.9	66.9	66.9	67.7	69.2
≥ 6000	23.3	51.1	56.4	60.9	65.4	66.2	67.7	67.7	68.4	68.4	68.4	69.2	70.7
≥ 5000	23.3	51.1	56.4	60.9	65.4	66.2	67.7	67.7	68.4	68.4	68.4	69.2	70.7
≥ 4500	24.1	53.4	58.7	63.2	67.7	68.4	69.9	69.9	70.7	70.7	70.7	71.4	72.9
≥ 4000	24.1	53.4	58.7	63.2	67.7	68.4	69.9	69.9	70.7	70.7	70.7	71.4	72.9
≥ 3500	24.1	53.4	58.7	63.2	67.7	68.4	69.9	69.9	70.7	70.7	70.7	71.4	72.9
≥ 3000	24.1	54.9	60.9	65.4	69.9	70.7	72.2	72.2	72.9	72.9	72.9	73.7	75.2
≥ 2500	24.8	60.2	66.2	71.4	76.7	77.4	79.0	79.0	79.7	79.7	79.7	80.5	82.0
≥ 2000	24.8	60.2	66.2	71.4	76.7	77.4	79.0	79.0	79.7	79.7	79.7	80.5	82.0
≥ 1800	24.8	60.2	66.2	71.4	76.7	77.4	79.0	79.0	79.7	79.7	79.7	80.5	82.0
≥ 1500	25.6	62.4	68.4	73.7	79.0	79.7	81.2	81.2	82.0	82.0	82.0	82.7	84.2
≥ 1200	26.3	63.9	69.9	75.2	80.5	81.2	82.7	82.7	83.5	83.5	83.5	84.2	85.7
≥ 1000	26.3	63.9	69.9	75.2	80.5	81.2	82.7	82.7	83.5	83.5	83.5	84.2	85.7
≥ 900	26.3	63.9	69.9	75.2	80.5	81.2	82.7	82.7	83.5	83.5	83.5	84.2	85.7
≥ 800	26.3	63.9	69.9	75.2	80.5	81.2	82.7	82.7	83.5	83.5	83.5	84.2	85.7
≥ 700	26.3	63.9	69.9	75.2	80.5	81.2	82.7	82.7	83.5	83.5	83.5	84.2	85.7
≥ 600	26.3	63.9	69.9	75.2	80.5	81.2	82.7	82.7	83.5	83.5	83.5	84.2	85.7
≥ 500	26.3	63.9	69.9	75.2	80.5	81.2	82.7	82.7	83.5	83.5	83.5	84.2	85.7
≥ 400	26.3	63.9	69.9	75.2	80.5	81.2	82.7	82.7	83.5	83.5	83.5	84.2	85.7
≥ 300	26.3	63.9	69.9	75.2	80.5	81.2	82.7	82.7	83.5	83.5	83.5	84.2	85.7
≥ 200	26.3	63.9	69.9	75.2	80.5	81.2	82.7	82.7	83.5	83.5	83.5	84.2	85.7
≥ 100	26.3	63.9	69.9	75.2	80.5	81.2	82.7	82.7	83.5	83.5	83.5	84.2	85.7
≥ 0	26.3	63.9	69.9	75.2	80.5	81.2	82.7	82.7	83.5	83.5	83.5	84.2	85.7

TOTAL NUMBER OF OBSERVATIONS 133

DIRNAVOCEANMET SMOS

2

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

13773

QUANTICO, VIRGINIA

73-77

YEARS

OCT

STATION NAME

MOUTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4
NO CEILING	26.7	49.6	52.6	53.3	55.6	56.3	57.0	57.0	57.0	57.0	57.0
≥ 20000	28.2	53.3	56.3	57.8	60.7	61.5	62.2	62.2	62.2	62.2	62.2
18000	28.2	53.3	56.3	57.8	60.7	61.5	62.2	62.2	62.2	62.2	62.2
16000	28.2	53.3	56.3	57.8	60.7	61.5	62.2	62.2	62.2	62.2	62.2
14000	28.2	53.3	56.3	57.8	60.7	61.5	62.2	62.2	62.2	62.2	62.2
12000	28.9	54.1	57.0	58.5	61.5	62.2	63.0	63.0	63.0	63.0	63.0
10000	29.6	56.3	59.3	61.5	64.4	65.2	65.9	65.9	65.9	65.9	65.9
9000	29.6	56.3	59.3	61.5	64.4	65.2	65.9	65.9	65.9	65.9	65.9
8000	31.1	59.3	63.0	65.2	68.2	68.9	69.6	70.4	70.4	70.4	70.4
7000	31.1	59.3	63.0	65.2	68.2	68.9	69.6	70.4	70.4	70.4	70.4
6000	31.1	59.3	63.0	65.2	68.2	68.9	69.6	70.4	70.4	70.4	70.4
5000	31.1	61.5	65.2	68.2	71.1	71.9	72.6	73.3	73.3	73.3	73.3
4500	31.1	61.5	65.2	68.2	71.1	71.9	72.6	73.3	73.3	73.3	73.3
4000	31.1	62.2	65.9	68.9	71.9	72.6	73.3	74.1	74.1	74.1	74.1
3500	31.1	63.0	66.7	69.6	72.6	73.3	74.1	75.6	75.6	75.6	75.6
3000	31.9	67.4	71.1	74.1	77.0	77.8	79.3	80.0	80.0	80.0	80.0
2500	31.9	68.9	72.6	75.6	79.3	80.0	81.5	82.2	82.2	82.2	82.2
2000	31.9	69.6	73.3	77.0	80.7	81.5	83.7	84.4	84.4	84.4	84.4
1800	31.9	69.6	73.3	77.0	80.7	81.5	83.7	84.4	84.4	84.4	84.4
1500	33.3	71.1	74.8	78.5	82.2	83.0	85.2	85.9	85.9	85.9	85.9
1200	33.3	71.1	74.8	78.5	82.2	83.0	85.2	85.9	85.9	85.9	85.9
1000	33.3	71.1	75.6	80.0	83.7	84.4	86.7	88.2	88.2	88.2	88.2
900	33.3	71.1	76.3	80.7	84.4	85.2	87.4	88.9	88.9	88.9	88.9
800	34.1	73.3	78.5	83.0	86.7	87.4	89.6	91.1	91.1	91.1	91.1
700	34.1	74.1	79.3	83.7	87.4	88.2	90.4	91.9	91.9	91.9	91.9
600	34.1	74.1	79.3	83.7	88.2	88.9	91.1	92.6	92.6	92.6	92.6
500	34.1	74.8	80.0	85.2	89.6	90.4	92.6	94.1	94.8	96.3	97.0
400	34.1	74.8	80.0	85.2	89.6	90.4	92.6	94.8	95.6	97.0	97.8
300	34.1	74.8	80.0	85.2	89.6	90.4	92.6	94.8	95.6	97.8	98.5
200	34.1	74.8	80.0	85.2	89.6	90.4	92.6	94.8	95.6	97.8	98.5
100	34.1	74.8	80.0	85.2	89.6	90.4	92.6	94.8	95.6	97.8	98.5
0	34.1	74.8	80.0	85.2	89.6	90.4	92.6	94.8	95.6	97.8	98.5

TOTAL NUMBER OF OBSERVATIONS

135

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13773
STATIONQUANTICO, VIRGINIA
STATION NAME73-77
YEARSOCT
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)13
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ 5/16	≥ ¼
NO CEILING	28.7	49.3	50.7	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
≥ 20000	33.1	58.1	59.6	61.0	61.0	61.8	61.8	61.8	61.8	61.8	61.8	61.8
≥ 18000	33.8	58.8	60.3	61.8	61.8	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 16000	33.8	58.8	60.3	61.8	61.8	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 14000	33.8	58.8	60.3	61.8	61.8	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 12000	33.8	61.0	62.5	64.0	64.0	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 10000	34.6	64.0	65.4	66.9	66.9	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 9000	34.6	64.0	65.4	66.9	66.9	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 8000	35.3	68.4	69.9	71.3	71.3	72.8	72.8	72.8	72.8	72.8	72.8	72.8
≥ 7000	35.3	69.1	70.6	72.1	72.1	73.5	73.5	73.5	73.5	73.5	73.5	73.5
≥ 6000	35.3	69.1	70.6	72.1	72.1	73.5	73.5	73.5	73.5	73.5	73.5	73.5
≥ 5000	35.3	69.1	70.6	72.1	72.1	73.5	73.5	73.5	73.5	73.5	73.5	73.5
≥ 4500	36.0	69.9	71.3	72.8	72.8	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 4000	36.8	71.3	72.8	74.3	74.3	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 3500	38.2	75.7	77.2	78.7	78.7	80.2	80.2	80.2	80.2	80.2	80.2	80.2
≥ 3000	39.0	76.5	77.9	79.4	79.4	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 2500	41.2	78.7	80.2	82.4	82.4	83.8	83.8	83.8	83.8	83.8	83.8	83.8
≥ 2000	42.7	80.9	82.4	84.6	84.6	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 1800	42.7	80.9	82.4	84.6	84.6	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 1500	42.7	83.1	85.3	87.5	87.5	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 1200	42.7	83.1	85.3	87.5	87.5	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 1000	42.7	83.8	86.0	89.0	89.0	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 900	42.7	83.8	86.0	89.0	89.0	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 800	42.7	84.6	87.5	90.4	91.9	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 700	42.7	85.3	88.2	91.2	92.7	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 600	42.7	85.3	88.2	91.2	92.7	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 500	43.4	86.0	89.7	92.7	94.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 400	43.4	86.0	89.7	92.7	94.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 300	43.4	86.0	89.7	92.7	94.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 200	43.4	86.0	89.7	92.7	94.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 100	43.4	86.0	89.7	92.7	94.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3
0	43.4	86.0	89.7	92.7	94.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3

TOTAL NUMBER OF OBSERVATIONS

136

CEILING VERSUS VISIBILITY

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-77

YEARS

007
MONTH

16

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	38.1	58.4	59.3	60.2	60.2	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 20000	38.1	62.0	62.8	64.6	64.6	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 18000	38.1	62.0	62.8	64.6	64.6	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 16000	38.1	62.0	62.8	64.6	64.6	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 14000	38.1	62.0	62.8	64.6	64.6	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 12000	40.7	66.4	67.3	69.9	69.9	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
≥ 10000	42.5	71.7	72.6	75.2	75.2	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 9000	42.5	71.7	72.6	75.2	75.2	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 8000	45.1	77.0	77.9	80.5	80.5	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 7000	45.1	77.9	78.8	81.4	81.4	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 6000	46.0	78.8	79.7	82.3	82.3	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 5000	47.8	80.5	81.4	84.1	84.1	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 4500	48.7	81.4	82.3	85.0	85.0	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 4000	48.7	82.3	83.2	85.8	85.8	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 3500	49.6	84.1	85.0	87.6	87.6	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥ 3000	51.3	85.8	86.7	89.4	89.4	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 2500	52.2	88.5	89.4	92.0	92.0	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 2000	52.2	88.5	90.3	92.9	92.9	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 1800	52.2	88.5	90.3	92.9	92.9	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 1500	52.2	91.2	92.9	95.6	95.6	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 1200	52.2	91.2	92.9	95.6	95.6	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 1000	52.2	91.2	92.9	95.6	95.6	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 900	52.2	91.2	92.9	95.6	95.6	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 800	52.2	91.2	92.9	95.6	95.6	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 700	52.2	91.2	92.9	95.6	95.6	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 600	52.2	91.2	92.9	95.6	95.6	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 500	52.2	91.2	92.9	96.5	96.5	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 400	52.2	91.2	92.9	97.4	97.4	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 300	52.2	91.2	92.9	97.4	97.4	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 200	52.2	91.2	92.9	97.4	97.4	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 100	52.2	91.2	92.9	97.4	97.4	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
0	52.2	91.2	92.9	97.4	97.4	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2

TOTAL NUMBER OF OBSERVATIONS

113

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-77

YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

19
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	65.0	61.0	63.0	63.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 20000	65.0	63.0	65.0	66.0	68.0	68.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
18000	65.0	63.0	65.0	66.0	68.0	68.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
16000	65.0	63.0	65.0	66.0	68.0	68.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
14000	65.0	63.0	65.0	66.0	68.0	68.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
12000	65.0	64.0	66.0	67.0	69.0	69.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
10000	80.0	72.0	75.0	76.0	78.0	78.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
9000	80.0	72.0	75.0	76.0	78.0	78.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
8000	80.0	76.0	79.0	80.0	82.0	82.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
7000	80.0	77.0	81.0	82.0	84.0	84.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
6000	80.0	77.0	81.0	82.0	84.0	84.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
5000	80.0	78.0	82.0	83.0	85.0	85.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
4500	80.0	80.0	84.0	85.0	87.0	87.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
4000	80.0	80.0	84.0	85.0	87.0	88.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
3500	80.0	81.0	85.0	86.0	88.0	89.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
3000	80.0	83.0	87.0	88.0	90.0	91.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
2500	80.0	85.0	89.0	90.0	92.0	94.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
2000	80.0	86.0	91.0	92.0	94.0	96.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
1800	80.0	86.0	91.0	92.0	94.0	96.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
1500	80.0	87.0	92.0	93.0	95.0	97.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
1200	80.0	87.0	92.0	93.0	95.0	97.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
1000	80.0	87.0	92.0	93.0	95.0	97.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
900	80.0	87.0	92.0	93.0	95.0	97.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
800	80.0	87.0	92.0	93.0	95.0	97.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
700	80.0	87.0	92.0	93.0	95.0	97.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
600	80.0	87.0	92.0	93.0	95.0	97.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
500	80.0	87.0	92.0	94.0	96.0	98.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
400	80.0	87.0	92.0	94.0	96.0	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300	80.0	87.0	92.0	94.0	96.0	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200	80.0	87.0	92.0	94.0	96.0	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100	80.0	87.0	92.0	94.0	96.0	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	80.0	87.0	92.0	94.0	96.0	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 100

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13773

QUANTICO, VIRGINIA

73-75

OCT

STATION NAME

TEARS

MOUTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

22

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING		57.0	60.2	62.4	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 20000		58.1	61.3	63.4	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 18000		58.1	61.3	63.4	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 16000		58.1	61.3	63.4	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 14000		58.1	61.3	63.4	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 12000		59.1	62.4	64.5	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 10000		61.3	64.5	66.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
≥ 9000		61.3	64.5	66.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
≥ 8000		66.7	71.0	73.1	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 7000		66.7	71.0	73.1	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 6000		66.7	71.0	73.1	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 5000		66.7	72.0	76.3	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 4500		68.8	74.2	78.5	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 4000		69.9	76.3	80.7	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 3500		69.9	76.3	80.7	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 3000		75.3	81.7	86.0	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 2500		78.5	85.0	89.3	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 2000		78.5	85.0	89.3	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 1800		78.5	85.0	89.3	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 1500		78.5	86.0	90.3	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 1200		78.5	86.0	90.3	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 1000		78.5	86.0	90.3	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 900		78.5	86.0	90.3	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 800		78.5	86.0	90.3	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 700		78.5	86.0	90.3	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 600		78.5	86.0	90.3	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 500		78.5	86.0	90.3	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 400		78.5	86.0	90.3	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 300		78.5	86.0	90.3	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 200		78.5	86.0	90.3	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 100		78.5	86.0	90.3	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 0		78.5	86.0	90.3	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6

TOTAL NUMBER OF OBSERVATIONS

93

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-77

YEARS

DCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
MOUSE (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	≥ 0
NO CEILING	16.0	51.5	54.5	56.3	58.5	58.9	59.0	59.4	59.4	59.5	59.6	59.6	59.6	59.7	59.7	59.7
≥ 20000	17.0	54.6	57.5	59.3	62.2	62.8	63.4	63.8	63.8	64.1	64.2	64.2	64.3	64.3	64.5	64.5
≥ 18000	17.1	54.7	57.6	59.9	62.3	62.9	63.5	63.9	63.9	64.2	64.3	64.3	64.4	64.4	64.6	64.6
≥ 16000	17.1	54.7	57.6	59.9	62.3	62.9	63.5	63.9	63.9	64.2	64.3	64.3	64.4	64.4	64.6	64.6
≥ 14000	17.1	54.7	57.6	59.9	62.3	62.9	63.5	63.9	63.9	64.2	64.3	64.3	64.4	64.4	64.6	64.6
≥ 12000	17.5	56.1	59.2	61.6	63.9	64.6	65.3	65.7	65.7	65.9	66.0	66.0	66.1	66.1	66.3	66.3
≥ 10000	18.4	59.8	63.1	65.8	68.2	69.0	69.7	70.2	70.2	70.4	70.5	70.5	70.6	70.6	70.8	70.8
≥ 9000	18.4	59.8	63.1	65.8	68.2	69.0	69.7	70.2	70.2	70.4	70.5	70.5	70.6	70.6	70.8	70.8
≥ 8000	19.5	63.9	67.8	70.6	73.1	73.9	74.6	75.2	75.2	75.4	75.5	75.5	75.6	75.6	75.8	75.8
≥ 7000	19.6	64.6	68.5	71.7	74.2	75.0	75.7	76.3	76.3	76.5	76.6	76.6	76.7	76.7	76.9	76.9
≥ 6000	19.7	64.8	68.7	72.0	74.5	75.3	76.0	76.6	76.6	76.8	76.9	76.9	77.0	77.0	77.2	77.2
≥ 5000	20.2	65.8	70.0	73.3	75.8	76.6	77.3	77.9	77.9	78.1	78.2	78.2	78.3	78.3	78.5	78.5
≥ 4500	20.4	66.7	70.9	74.2	76.7	77.5	78.2	78.8	78.8	79.0	79.1	79.1	79.2	79.2	79.4	79.4
≥ 4000	20.6	68.0	72.6	76.0	78.7	79.5	80.3	80.6	80.8	81.1	81.2	81.2	81.3	81.3	81.5	81.5
≥ 3500	20.9	69.2	73.8	77.2	79.9	80.7	81.6	82.1	82.1	82.4	82.5	82.5	82.6	82.6	82.8	82.8
≥ 3000	21.4	71.4	76.1	79.9	82.6	83.4	84.3	84.9	84.9	85.1	85.2	85.2	85.3	85.3	85.5	85.5
≥ 2500	21.9	73.6	78.4	82.2	85.1	86.1	87.0	87.6	87.6	87.8	87.9	87.9	88.0	88.0	88.2	88.2
≥ 2000	22.1	74.7	79.7	83.8	86.7	87.8	88.9	89.4	89.4	89.7	89.8	89.8	89.9	89.9	90.1	90.1
≥ 1800	22.1	74.7	79.7	83.8	86.8	87.9	89.0	89.5	89.5	89.8	89.9	89.9	90.0	90.0	90.2	90.2
≥ 1500	22.4	76.0	81.3	85.3	88.3	89.4	90.5	91.1	91.1	91.3	91.4	91.4	91.5	91.5	91.7	91.7
≥ 1200	22.6	76.3	81.5	85.5	88.6	89.7	90.7	91.4	91.4	91.6	91.7	91.7	91.8	91.8	92.1	92.1
≥ 1000	22.6	76.4	81.7	86.1	89.5	90.6	91.7	92.5	92.5	92.8	92.9	92.9	93.0	93.0	93.3	93.3
≥ 900	22.6	76.4	81.9	86.3	89.8	90.9	92.1	92.8	92.8	93.1	93.3	93.3	93.4	93.4	93.6	93.6
≥ 800	22.7	76.8	82.4	86.7	90.2	91.3	92.5	93.3	93.3	93.7	93.8	93.8	93.9	93.9	94.1	94.1
≥ 700	22.7	77.0	82.6	86.9	90.4	91.5	92.7	93.6	93.6	94.1	94.2	94.2	94.3	94.3	94.6	94.6
≥ 600	22.7	77.0	82.7	87.0	90.6	91.7	92.9	93.8	93.8	94.4	94.6	94.6	94.7	94.7	94.9	94.9
≥ 500	22.8	77.2	83.0	87.7	91.5	93.1	94.8	95.8	95.9	97.0	97.3	97.4	97.6	97.6	97.8	97.8
≥ 400	22.8	77.2	83.0	87.8	91.7	93.7	95.3	96.4	96.5	97.7	98.0	98.2	98.5	98.5	98.7	98.7
≥ 300	22.8	77.2	83.0	87.8	91.7	93.7	95.4	96.5	96.7	98.3	98.7	98.8	99.2	99.2	99.5	99.5
≥ 200	22.8	77.2	83.0	87.8	91.7	93.7	95.4	96.5	96.7	98.3	98.8	98.9	99.4	99.4	99.7	99.7
≥ 100	22.8	77.2	83.0	87.8	91.7	93.7	95.4	96.5	96.7	98.3	98.8	98.9	99.4	99.4	99.7	99.7
0	22.8	77.2	83.0	87.8	91.7	93.7	95.4	96.5	96.7	98.3	98.8	98.9	99.4	99.4	99.8	99.8

918

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-75

YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

01
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	1.1	59.1	61.4	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥ 20000	1.1	62.5	64.8	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 18000	1.1	62.5	64.8	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 16000	1.1	62.5	64.8	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 14000	1.1	62.5	64.8	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 12000	1.1	62.5	64.8	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 10000	1.1	70.5	73.9	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 9000	1.1	70.5	73.9	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 8000	1.1	76.1	79.6	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
≥ 7000	1.1	77.3	80.7	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 6000	1.1	77.3	80.7	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 5000	1.1	80.7	84.1	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
≥ 4500	1.1	80.7	84.1	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
≥ 4000	1.1	81.8	86.4	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 3500	1.1	81.8	86.4	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 3000	1.1	84.1	88.6	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 2500	1.1	85.2	89.6	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 2000	1.1	85.2	90.9	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 1800	1.1	85.2	90.9	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 1500	1.1	85.2	90.9	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 1200	1.1	85.2	90.9	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 1000	1.1	85.2	90.9	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 900	1.1	85.2	90.9	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 800	1.1	85.2	90.9	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 700	1.1	85.2	90.9	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 600	1.1	85.2	90.9	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 500	1.1	85.2	90.9	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 400	1.1	85.2	90.9	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 300	1.1	85.2	90.9	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 200	1.1	85.2	90.9	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 100	1.1	85.2	90.9	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
0	1.1	85.2	90.9	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3

TOTAL NUMBER OF OBSERVATIONS

88

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13773
STATIONQUANTICO, VIRGINIA
STATION NAME

73-75

YEAR

NOV
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)04
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING		55.7	63.6	64.8	64.8	64.8	65.9	65.9	65.9	67.1	67.1
≥ 20000		56.8	64.8	65.9	65.9	65.9	67.1	67.1	67.1	68.2	68.2
18000		56.8	64.8	65.9	65.9	65.9	67.1	67.1	67.1	68.2	68.2
16000		56.8	64.8	65.9	65.9	65.9	67.1	67.1	67.1	68.2	68.2
14000		56.8	64.8	65.9	65.9	65.9	67.1	67.1	67.1	68.2	68.2
12000		56.8	64.8	65.9	65.9	65.9	67.1	67.1	67.1	68.2	68.2
10000		62.5	71.6	72.7	72.7	72.7	73.9	73.9	73.9	75.0	75.0
9000		62.5	71.6	72.7	72.7	72.7	73.9	73.9	73.9	75.0	75.0
8000		67.1	76.1	77.3	77.3	77.3	78.4	78.4	78.4	79.6	79.6
7000		68.2	77.3	78.4	78.4	78.4	79.6	79.6	79.6	80.7	80.7
6000		68.2	77.3	78.4	78.4	78.4	79.6	79.6	79.6	80.7	80.7
5000		69.3	79.6	80.7	80.7	80.7	81.8	81.8	81.8	83.0	83.0
4500		70.5	81.8	83.0	83.0	83.0	84.1	84.1	84.1	85.2	85.2
4000		70.5	81.8	83.0	83.0	83.0	84.1	84.1	84.1	85.2	85.2
3500		70.5	83.0	84.1	84.1	84.1	86.4	86.4	86.4	87.5	87.5
3000		72.7	85.2	86.4	86.4	86.4	88.6	88.6	88.6	89.8	89.8
2500		73.9	86.4	87.5	87.5	87.5	89.8	89.8	89.8	90.9	90.9
2000		73.9	87.5	88.6	88.6	88.6	90.9	90.9	90.9	92.1	92.1
1800		73.9	87.5	88.6	88.6	88.6	90.9	90.9	90.9	92.1	92.1
1500		73.9	87.5	88.6	88.6	88.6	90.9	90.9	90.9	92.1	92.1
1200		73.9	87.5	88.6	88.6	88.6	90.9	90.9	90.9	92.1	92.1
1000		73.9	87.5	88.6	88.6	88.6	90.9	90.9	90.9	92.1	92.1
900		73.9	87.5	88.6	88.6	88.6	90.9	90.9	90.9	92.1	92.1
800		73.9	87.5	88.6	88.6	88.6	90.9	90.9	90.9	92.1	92.1
700		73.9	88.6	89.8	89.8	89.8	90.9	90.9	90.9	92.1	92.1
600		73.9	88.6	89.8	89.8	89.8	90.9	90.9	90.9	92.1	92.1
500		75.0	89.8	90.9	90.9	90.9	92.1	92.1	92.1	93.2	93.2
400		75.0	89.8	90.9	90.9	90.9	92.1	92.1	92.1	93.2	93.2
300		75.0	89.8	90.9	90.9	90.9	92.1	92.1	92.1	93.2	93.2
200		75.0	89.8	90.9	90.9	90.9	92.1	92.1	92.1	93.2	93.2
100		75.0	89.8	90.9	90.9	90.9	92.1	92.1	92.1	93.2	93.2
0		75.0	89.8	90.9	90.9	90.9	92.1	92.1	92.1	93.2	93.2

TOTAL NUMBER OF OBSERVATIONS

88

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13773

QUANTICO, VIRGINIA

73-77

NOV

STATION NAME

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

07

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½
NO CEILING	15.3	47.8	49.0	49.6	51.4	53.2	54.1	55.0	55.0	55.0	55.0
≥ 20000	16.2	53.2	55.0	55.0	57.7	59.5	60.4	61.3	61.3	61.3	61.3
≥ 18000	16.2	53.2	55.0	55.0	57.7	59.5	60.4	61.3	61.3	61.3	61.3
≥ 16000	16.2	53.2	55.0	55.0	57.7	59.5	60.4	61.3	61.3	61.3	61.3
≥ 14000	16.2	53.2	55.0	55.0	57.7	59.5	60.4	61.3	61.3	61.3	61.3
≥ 12000	17.1	54.1	55.9	55.9	58.6	60.4	61.3	62.2	62.2	62.2	62.2
≥ 10000	17.1	55.9	58.6	58.6	62.2	64.0	64.9	65.8	65.8	65.8	65.8
≥ 9000	17.1	55.9	58.6	58.6	62.2	64.0	64.9	65.8	65.8	65.8	65.8
≥ 8000	17.1	61.3	64.9	64.9	68.5	70.3	71.2	72.1	72.1	72.1	72.1
≥ 7000	17.1	63.1	66.7	66.7	70.3	72.1	73.0	73.9	73.9	73.9	73.9
≥ 6000	17.1	64.0	67.6	67.6	71.2	73.0	74.8	75.7	75.7	75.7	75.7
≥ 5000	18.9	66.7	71.2	72.1	75.7	77.5	79.3	80.2	80.2	80.2	80.2
≥ 4500	18.9	66.7	71.2	72.1	75.7	77.5	79.3	80.2	80.2	80.2	80.2
≥ 4000	20.7	68.5	73.0	73.9	77.5	79.3	81.1	82.0	82.0	82.0	82.0
≥ 3500	21.6	69.4	73.9	74.8	78.4	80.2	82.0	82.9	82.9	82.9	82.9
≥ 3000	21.6	72.1	76.6	77.5	81.1	82.9	84.7	85.6	85.6	85.6	85.6
≥ 2500	21.6	72.1	76.6	77.5	82.0	83.8	85.6	86.5	86.5	86.5	86.5
≥ 2000	22.5	73.9	78.4	79.3	83.8	85.6	87.4	88.3	88.3	88.3	88.3
≥ 1800	22.5	73.9	78.4	79.3	83.8	85.6	87.4	88.3	88.3	88.3	88.3
≥ 1500	22.5	73.9	78.4	79.3	83.8	85.6	87.4	88.3	88.3	88.3	88.3
≥ 1200	22.5	73.9	78.4	79.3	83.8	85.6	87.4	88.3	88.3	88.3	88.3
≥ 1000	22.5	74.8	79.3	80.2	84.7	87.4	89.2	90.1	90.1	90.1	90.1
≥ 900	22.5	74.8	79.3	80.2	84.7	87.4	89.2	90.1	90.1	90.1	90.1
≥ 800	22.5	74.8	79.3	80.2	84.7	87.4	89.2	91.0	91.0	91.0	91.0
≥ 700	22.5	74.8	79.3	80.2	84.7	87.4	89.2	91.0	91.0	91.0	91.0
≥ 600	22.5	74.8	79.3	81.1	86.5	90.1	91.9	92.8	92.8	92.8	92.8
≥ 500	22.5	74.8	79.3	81.1	87.4	91.0	92.8	93.7	93.7	93.7	93.7
≥ 400	22.5	74.8	79.3	81.1	87.4	91.0	92.8	94.6	94.6	94.6	94.6
≥ 300	22.5	74.8	79.3	81.1	87.4	91.0	92.8	94.6	94.6	94.6	94.6
≥ 200	22.5	74.8	79.3	81.1	87.4	91.9	93.7	95.5	95.5	95.5	95.5
≥ 100	22.5	74.8	79.3	81.1	87.4	91.9	93.7	95.5	95.5	95.5	95.5
0	22.5	74.8	79.3	81.1	87.4	91.9	93.7	95.5	95.5	95.5	95.5

TOTAL NUMBER OF OBSERVATIONS

111

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-77

YEARS

NDV
MORTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	22.1	47.2	48.0	48.3	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 20000	23.6	52.0	52.8	54.3	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
≥ 18000	23.6	52.0	52.8	54.3	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
≥ 16000	23.6	52.0	52.8	54.3	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
≥ 14000	24.4	52.8	53.5	55.1	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
≥ 12000	24.4	53.5	54.3	55.9	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 10000	24.4	55.9	57.5	59.1	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 9000	24.4	55.9	57.5	59.1	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 8000	28.4	61.4	63.0	64.6	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 7000	29.1	63.0	64.6	66.1	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
≥ 6000	29.1	66.1	67.7	69.3	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 5000	29.9	69.3	70.9	72.4	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 4500	30.7	70.9	72.4	74.0	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
≥ 4000	30.7	70.9	72.4	74.0	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
≥ 3500	30.7	71.7	73.2	74.8	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
≥ 3000	32.3	74.0	75.6	77.2	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
≥ 2500	33.1	77.2	78.7	80.3	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 2000	33.9	79.5	81.1	82.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 1800	33.9	79.5	81.1	82.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 1500	33.9	81.1	82.7	85.0	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
≥ 1200	33.9	81.1	82.7	85.0	87.4	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 1000	33.9	81.1	82.7	85.0	87.4	88.2	88.2	89.0	89.0	89.0	89.0	89.0
≥ 900	33.9	81.1	82.7	85.0	87.4	88.2	88.2	89.0	89.0	89.0	89.0	89.0
≥ 800	33.9	81.1	82.7	85.8	88.2	89.0	89.0	89.8	89.8	90.6	90.6	90.6
≥ 700	33.9	81.1	82.7	85.8	88.2	89.0	89.0	89.8	89.8	90.6	90.6	90.6
≥ 600	33.9	81.1	82.7	85.8	88.2	89.0	89.0	90.6	90.6	91.3	91.3	91.3
≥ 500	33.9	81.1	82.7	85.8	89.0	90.6	90.6	92.1	92.1	92.9	92.9	92.9
≥ 400	33.9	82.7	84.3	87.4	90.6	92.9	92.9	94.5	94.5	95.3	95.3	95.3
≥ 300	33.9	82.7	84.3	87.4	90.6	92.9	92.9	94.5	94.5	96.9	96.9	96.9
≥ 200	33.9	82.7	84.3	87.4	90.6	92.9	92.9	94.5	94.5	96.9	96.9	96.9
≥ 100	33.9	82.7	84.3	87.4	90.6	92.9	92.9	94.5	94.5	96.9	96.9	96.9
0	33.9	82.7	84.3	87.4	90.6	92.9	92.9	94.5	94.5	96.9	96.9	96.9

TOTAL NUMBER OF OBSERVATIONS 127

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13773

QUANTICO, VIRGINIA

73-77

NOV

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING	31.0	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	47.3	47.3	47.3	47.3
≥ 20000	33.3	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	52.7	52.7	52.7	52.7
≥ 18000	33.3	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	52.7	52.7	52.7	52.7
≥ 16000	33.3	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	52.7	52.7	52.7	52.7
≥ 14000	33.3	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	53.5	53.5	53.5	53.5
≥ 12000	33.3	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	53.5	53.5	53.5	53.5
10000	36.4	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	61.2	61.2	61.2	61.2
≥ 9000	36.4	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	61.2	61.2	61.2	61.2
8000	37.2	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	66.7	66.7	66.7	66.7
≥ 7000	37.2	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	66.7	66.7	66.7	66.7
6000	38.0	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	69.8	69.8	69.8	69.8
≥ 5000	39.5	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	72.9	72.9	72.9	72.9
4500	40.3	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	73.6	73.6	73.6	73.6
4000	41.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	76.7	76.7	76.7	76.7
3500	41.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	77.5	77.5	77.5	77.5
3000	45.0	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	81.4	81.4	81.4	81.4
2500	47.3	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	86.8	86.8	86.8	86.8
2000	48.1	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	88.4	88.4	88.4	88.4
1800	48.1	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	88.4	88.4	88.4	88.4
1500	48.1	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	91.5	91.5	91.5	91.5
1200	48.1	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	93.8	93.8	93.8	93.8
1000	48.8	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	94.6	94.6	94.6	94.6
900	48.8	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	95.4	95.4	95.4	95.4
800	48.8	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	95.4	95.4	95.4	95.4
700	48.8	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	95.4	95.4	95.4	95.4
600	48.8	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	97.7	97.7	97.7	97.7
500	48.8	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	99.2	99.2	99.2	99.2
400	48.8	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	99.2	99.2	99.2	99.2
300	48.8	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	100.0	100.0	100.0	100.0
200	48.8	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	100.0	100.0	100.0	100.0
100	48.8	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	100.0	100.0	100.0	100.0
0	48.8	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

129

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

13773 STATION QUANTICO, VIRGINIA

73-77

YEAR

NOV MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

16 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING	38.4	47.3	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
≥ 20000	48.2	58.9	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 18000	48.2	58.9	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 16000	48.2	58.9	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 14000	48.2	58.9	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 12000	48.2	58.9	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 10000	50.0	67.9	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
≥ 9000	50.0	67.9	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
≥ 8000	54.5	77.7	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
≥ 7000	55.4	79.5	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 6000	55.4	79.5	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 5000	55.4	80.4	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 4500	55.4	81.3	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 4000	58.9	84.8	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 3500	62.5	88.4	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 3000	66.1	92.9	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 2500	66.1	93.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 2000	66.1	95.5	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1800	66.1	95.5	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1500	66.1	95.5	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 1200	67.0	96.4	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1000	67.0	97.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	67.0	97.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	67.0	97.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	67.0	97.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	67.0	97.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	67.0	97.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	67.0	97.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	67.0	97.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	67.0	97.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	67.0	97.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	67.0	97.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

112

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-77

YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

19
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 5/16
NO CEILING	6.6	55.0	55.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 20000	9.9	64.8	64.8	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
≥ 18000	9.9	64.8	64.8	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
≥ 16000	9.9	64.8	64.8	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
≥ 14000	9.9	65.9	65.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
≥ 12000	9.9	68.1	68.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 10000	9.9	76.9	76.9	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 9000	9.9	76.9	76.9	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 8000	9.9	81.3	81.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
≥ 7000	9.9	83.5	83.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
≥ 6000	9.9	83.5	83.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
≥ 5000	9.9	85.7	85.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 4500	9.9	87.9	87.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 4000	9.9	89.0	89.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 3500	9.9	91.2	91.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 3000	9.9	94.5	94.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 2500	9.9	94.5	94.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 2000	9.9	95.6	95.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1800	9.9	95.6	95.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1500	9.9	95.6	95.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1200	9.9	95.6	95.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1000	9.9	95.6	95.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 900	9.9	95.6	95.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 800	9.9	95.6	95.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 700	9.9	95.6	95.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 600	9.9	95.6	95.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 500	9.9	95.6	95.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 400	9.9	95.6	95.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 300	9.9	95.6	95.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 200	9.9	95.6	95.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 100	9.9	95.6	95.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
0	9.9	95.6	95.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7

TOTAL NUMBER OF OBSERVATIONS

91

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

13773
STATIONQUANTICO, VIRGINIA
STATION NAME

73-75

YEARS

NOV
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

22

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	3.4	60.2	60.2	62.5	62.5	62.5	62.5	62.5	62.5	63.5	63.5	63.5	63.5	63.5
≥ 20000	3.4	64.8	64.8	67.1	67.1	67.1	67.1	67.1	67.1	67.1	68.2	68.2	68.2	68.2
≥ 18000	3.4	64.8	64.8	67.1	67.1	67.1	67.1	67.1	67.1	67.1	68.2	68.2	68.2	68.2
≥ 16000	3.4	64.8	64.8	67.1	67.1	67.1	67.1	67.1	67.1	67.1	68.2	68.2	68.2	68.2
≥ 14000	3.4	64.8	64.8	67.1	67.1	67.1	67.1	67.1	67.1	67.1	68.2	68.2	68.2	68.2
≥ 12000	3.4	65.9	65.9	68.2	68.2	68.2	68.2	68.2	68.2	69.3	69.3	69.3	69.3	69.3
≥ 10000	3.4	73.9	73.9	76.1	76.1	76.1	76.1	76.1	76.1	77.3	77.3	77.3	77.3	77.3
≥ 9000	3.4	73.9	73.9	76.1	76.1	76.1	76.1	76.1	76.1	77.3	77.3	77.3	77.3	77.3
≥ 8000	3.4	78.4	78.4	80.7	81.8	81.8	81.8	81.8	81.8	83.0	83.0	83.0	83.0	83.0
≥ 7000	3.4	79.6	79.6	81.8	83.0	83.0	83.0	83.0	83.0	84.1	84.1	84.1	84.1	84.1
≥ 6000	3.4	79.6	79.6	81.8	83.0	83.0	83.0	83.0	83.0	84.1	84.1	84.1	84.1	84.1
≥ 5000	3.4	84.1	84.1	86.4	87.5	87.5	87.5	87.5	87.5	88.6	88.6	88.6	88.6	88.6
≥ 4500	3.4	84.1	84.1	86.4	87.5	87.5	87.5	87.5	87.5	88.6	88.6	88.6	88.6	88.6
≥ 4000	3.4	86.4	86.4	88.6	89.8	89.8	89.8	89.8	89.8	90.9	90.9	90.9	90.9	90.9
≥ 3500	3.4	87.5	88.6	90.9	92.1	92.1	92.1	92.1	92.1	93.2	93.2	93.2	93.2	93.2
≥ 3000	3.4	89.8	90.9	93.2	94.3	94.3	94.3	94.3	94.3	95.5	95.5	95.5	95.5	95.5
≥ 2500	3.4	89.8	90.9	93.2	94.3	94.3	94.3	94.3	94.3	95.5	95.5	95.5	95.5	95.5
≥ 2000	3.4	89.8	90.9	93.2	94.3	94.3	94.3	94.3	94.3	95.5	95.5	95.5	95.5	95.5
≥ 1800	3.4	89.8	90.9	93.2	94.3	94.3	94.3	94.3	94.3	95.5	95.5	95.5	95.5	95.5
≥ 1500	3.4	89.8	90.9	93.2	94.3	94.3	94.3	94.3	94.3	95.5	95.5	95.5	95.5	95.5
≥ 1200	3.4	89.8	90.9	93.2	94.3	94.3	94.3	94.3	94.3	95.5	95.5	95.5	95.5	95.5
≥ 1000	3.4	90.9	92.1	94.3	95.5	95.5	95.5	95.5	95.5	97.7	97.7	97.7	97.7	97.7
≥ 900	3.4	90.9	92.1	94.3	95.5	95.5	95.5	95.5	95.5	97.7	97.7	97.7	97.7	97.7
≥ 800	3.4	90.9	92.1	94.3	95.5	95.5	95.5	95.5	95.5	97.7	97.7	97.7	97.7	97.7
≥ 700	3.4	90.9	92.1	94.3	95.5	95.5	95.5	95.5	95.5	97.7	97.7	97.7	97.7	97.7
≥ 600	3.4	90.9	92.1	94.3	95.5	95.5	95.5	95.5	95.5	97.7	97.7	97.7	97.7	97.7
≥ 500	3.4	90.9	92.1	95.5	96.6	96.6	96.6	96.6	96.6	97.7	97.7	97.7	97.7	97.7
≥ 400	3.4	90.9	92.1	95.5	96.6	96.6	96.6	96.6	96.6	97.7	97.7	97.7	97.7	97.7
≥ 300	3.4	90.9	92.1	95.5	96.6	96.6	96.6	96.6	96.6	97.7	97.7	97.7	97.7	97.7
≥ 200	3.4	90.9	92.1	95.5	96.6	96.6	96.6	96.6	96.6	97.7	97.7	97.7	97.7	97.7
≥ 100	3.4	90.9	92.1	95.5	96.6	96.6	96.6	96.6	96.6	97.7	97.7	97.7	97.7	97.7
≥ 0	3.4	90.9	92.1	95.5	96.6	96.6	96.6	96.6	96.6	97.7	97.7	97.7	97.7	97.7

TOTAL NUMBER OF OBSERVATIONS

88

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-77

YEAR

NOV
MONTH
ALL
HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	16.6	51.6	53.1	54.0	54.3	54.5	54.8	54.9	54.9	55.3	55.3	55.3	55.3	55.3
≥ 20000	18.9	57.4	59.0	60.0	60.4	60.7	60.9	61.0	61.0	61.4	61.4	61.4	61.4	61.4
≥ 18000	18.9	57.4	59.0	60.0	60.4	60.7	60.9	61.0	61.0	61.4	61.4	61.4	61.4	61.4
≥ 16000	18.9	57.4	59.0	60.0	60.4	60.7	60.9	61.0	61.0	61.4	61.4	61.4	61.4	61.4
≥ 14000	19.1	57.8	59.4	60.3	60.8	61.0	61.3	61.4	61.4	61.8	61.8	61.8	61.8	61.8
≥ 12000	19.2	58.4	60.0	60.9	61.4	61.6	61.9	62.0	62.0	62.4	62.4	62.4	62.4	62.4
≥ 10000	19.9	64.6	66.7	67.6	68.2	68.5	68.7	68.8	68.8	69.2	69.2	69.2	69.2	69.2
≥ 9000	19.9	64.6	66.7	67.6	68.2	68.5	68.7	68.8	68.8	69.2	69.2	69.2	69.2	69.2
≥ 8000	21.2	70.3	72.5	73.6	74.3	74.6	74.8	74.9	74.9	75.3	75.3	75.3	75.3	75.3
≥ 7000	21.5	71.7	74.0	75.1	75.8	76.0	76.3	76.4	76.4	76.7	76.7	76.7	76.7	76.7
≥ 6000	21.6	72.7	74.9	76.0	76.9	77.1	77.5	77.6	77.6	77.9	77.9	77.9	77.9	77.9
≥ 5000	22.2	75.3	77.8	79.0	80.0	80.2	80.6	80.7	81.1	81.1	81.1	81.1	81.1	81.1
≥ 4500	22.4	76.0	78.5	79.7	80.7	80.9	81.3	81.4	81.4	81.8	81.8	81.8	81.8	81.8
≥ 4000	23.3	77.8	80.6	81.6	82.7	83.0	83.3	83.5	83.5	83.8	83.8	83.8	83.8	83.8
≥ 3500	24.0	79.0	82.0	83.2	84.2	84.5	84.9	85.0	85.0	85.4	85.4	85.4	85.4	85.4
≥ 3000	25.2	82.0	85.0	86.2	87.3	87.7	88.0	88.1	88.1	88.5	88.5	88.5	88.5	88.5
≥ 2500	25.7	83.5	86.6	87.9	89.1	89.5	89.8	90.1	90.1	90.4	90.4	90.4	90.4	90.4
≥ 2000	26.0	84.7	88.0	89.5	90.7	91.0	91.4	91.6	91.6	92.0	92.0	92.0	92.0	92.0
≥ 1800	26.0	84.7	88.0	89.5	90.7	91.0	91.4	91.6	91.6	92.0	92.0	92.0	92.0	92.0
≥ 1500	26.0	85.3	88.7	90.3	91.5	91.9	92.2	92.5	92.5	92.9	92.9	92.9	92.9	92.9
≥ 1200	26.1	85.5	89.0	90.5	91.7	92.3	92.7	93.1	93.1	93.5	93.5	93.5	93.5	93.5
≥ 1000	26.3	86.0	89.5	91.0	92.2	92.9	93.3	93.8	93.8	94.2	94.2	94.2	94.2	94.2
≥ 900	26.3	86.0	89.5	91.0	92.2	92.9	93.3	94.0	94.0	94.5	94.5	94.5	94.5	94.5
≥ 800	26.3	86.0	89.5	91.1	92.3	93.1	93.4	94.2	94.2	94.8	94.8	94.8	94.8	94.8
≥ 700	26.3	86.0	89.6	91.3	92.5	93.3	93.7	94.5	94.5	95.2	95.2	95.2	95.2	95.2
≥ 600	26.3	86.0	89.6	91.4	92.8	93.7	94.1	95.1	95.1	95.9	96.0	96.0	96.0	96.0
≥ 500	26.3	86.1	89.7	91.7	93.5	94.5	95.0	96.2	96.2	97.0	97.1	97.2	97.2	97.2
≥ 400	26.3	86.3	89.9	92.0	93.8	94.8	95.3	96.5	96.5	97.5	97.6	97.7	97.7	97.8
≥ 300	26.3	86.3	89.9	92.0	93.8	94.8	95.3	96.5	96.5	97.5	97.6	97.7	97.7	97.8
≥ 200	26.3	86.3	89.9	92.0	93.8	94.8	95.4	96.6	96.6	98.1	98.3	98.4	98.4	98.6
≥ 100	26.3	86.3	89.9	92.0	93.8	95.0	95.4	96.6	96.6	98.1	98.3	98.8	98.8	98.9
≥ 0	26.3	86.3	89.9	92.0	93.8	95.0	95.4	96.6	96.6	98.1	98.3	98.9	99.0	99.4

TOTAL NUMBER OF OBSERVATIONS

834

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

13773 STATION QUANTICO, VIRGINIA 73-75 YEARS DEC MONTH 01 HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1	≥ 3/4	≥ 5/16
NO CEILING	36.6	41.9	43.0	43.0	43.0	43.0	44.1	45.2	45.2	45.2	45.2
≥ 20000	39.8	45.2	46.2	46.2	46.2	46.2	47.3	48.4	48.4	48.4	48.4
≥ 18000	40.9	46.2	47.3	47.3	47.3	47.3	48.4	49.5	49.5	49.5	49.5
≥ 16000	40.9	46.2	47.3	47.3	47.3	47.3	48.4	49.5	49.5	49.5	49.5
≥ 14000	41.9	47.3	48.4	48.4	48.4	48.4	49.5	50.5	50.5	50.5	50.5
≥ 12000	41.9	47.3	48.4	48.4	48.4	48.4	49.5	50.5	50.5	50.5	50.5
≥ 10000	48.4	53.8	54.8	54.8	54.8	54.8	55.9	57.0	57.0	57.0	57.0
≥ 9000	48.4	53.8	54.8	54.8	54.8	54.8	55.9	57.0	57.0	57.0	57.0
8000	60.2	65.6	66.7	66.7	66.7	66.7	67.7	68.8	68.8	68.8	68.8
7000	60.2	65.6	66.7	66.7	66.7	66.7	67.7	68.8	68.8	68.8	68.8
6000	60.2	65.6	66.7	66.7	66.7	66.7	67.7	68.8	68.8	68.8	68.8
5000	63.4	69.9	72.0	72.0	72.0	72.0	73.1	74.2	74.2	74.2	74.2
4500	63.4	69.9	72.0	72.0	72.0	72.0	73.1	74.2	74.2	74.2	74.2
4000	67.7	75.3	77.4	77.4	77.4	77.4	78.5	79.6	79.6	79.6	79.6
3500	67.7	75.3	77.4	77.4	77.4	77.4	78.5	79.6	79.6	79.6	79.6
3000	73.1	80.7	82.8	82.8	82.8	82.8	83.9	85.0	85.0	85.0	85.0
2500	74.2	81.7	83.9	83.9	83.9	83.9	85.0	86.0	86.0	86.0	86.0
2000	75.3	82.8	85.0	85.0	85.0	85.0	86.0	87.1	87.1	87.1	87.1
1800	75.3	82.8	85.0	85.0	85.0	85.0	86.0	87.1	87.1	87.1	87.1
1500	76.3	83.9	86.0	86.0	86.0	86.0	87.1	88.2	88.2	88.2	88.2
1200	76.3	83.9	86.0	86.0	86.0	86.0	87.1	88.2	88.2	88.2	88.2
1000	77.4	85.0	87.1	87.1	87.1	87.1	88.2	89.3	89.3	89.3	89.3
900	77.4	85.0	87.1	87.1	87.1	87.1	88.2	89.3	89.3	89.3	89.3
800	77.4	85.0	87.1	87.1	87.1	87.1	88.2	89.3	89.3	89.3	89.3
700	77.4	85.0	87.1	87.1	87.1	87.1	88.2	89.3	89.3	89.3	89.3
600	77.4	85.0	87.1	87.1	87.1	87.1	88.2	89.3	89.3	89.3	89.3
500	77.4	85.0	87.1	87.1	87.1	87.1	88.2	89.3	89.3	89.3	89.3
400	77.4	85.0	87.1	87.1	87.1	87.1	88.2	89.3	89.3	89.3	89.3
300	77.4	85.0	87.1	87.1	87.1	87.1	88.2	89.3	89.3	89.3	89.3
200	77.4	85.0	87.1	87.1	87.1	87.1	88.2	89.3	89.3	89.3	89.3
100	77.4	85.0	87.1	87.1	87.1	87.1	88.2	89.3	89.3	89.3	89.3
0	77.4	85.0	87.1	87.1	87.1	87.1	88.2	89.3	89.3	89.3	89.3

TOTAL NUMBER OF OBSERVATIONS 93

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-75

YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

04
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 0
NO CEILING		35.5	38.7	39.8	40.9	40.9	40.9	40.9	40.9	40.9	41.9	41.9	41.9	41.9
≥ 20000		39.8	43.0	44.1	45.2	45.2	45.2	45.2	45.2	45.2	46.2	46.2	46.2	46.2
18000		39.8	43.0	44.1	45.2	45.2	45.2	45.2	45.2	45.2	46.2	46.2	46.2	46.2
16000		40.9	44.1	45.2	46.2	46.2	46.2	46.2	46.2	46.2	47.3	47.3	47.3	47.3
14000		40.9	44.1	45.2	46.2	46.2	46.2	46.2	46.2	46.2	47.3	47.3	47.3	47.3
12000		47.3	51.6	52.7	53.8	53.8	53.8	53.8	53.8	54.8	55.9	55.9	55.9	55.9
10000		48.4	52.7	53.8	54.8	54.8	54.8	54.8	54.8	55.9	56.9	56.9	56.9	56.9
9000		55.9	60.2	61.3	62.4	62.4	62.4	62.4	62.4	63.4	64.4	64.4	64.4	64.4
8000		58.1	63.4	64.5	65.6	65.6	65.6	65.6	65.6	66.7	67.7	67.7	67.7	67.7
6000		62.4	68.8	71.0	72.0	72.0	72.0	72.0	72.0	73.1	74.1	74.1	74.1	74.1
5000		66.7	73.1	75.3	76.3	76.3	76.3	76.3	76.3	77.4	78.4	78.4	78.4	78.4
4500		68.8	75.3	77.4	78.5	78.5	78.5	78.5	78.5	79.6	80.6	80.6	80.6	80.6
4000		72.0	78.5	80.7	81.7	81.7	81.7	81.7	81.7	82.8	83.9	83.9	83.9	83.9
3500		73.1	79.6	82.8	83.9	83.9	83.9	83.9	83.9	85.0	86.0	86.0	86.0	86.0
3000		73.1	79.6	82.8	83.9	83.9	83.9	83.9	83.9	85.0	86.0	86.0	86.0	86.0
2500		73.1	79.6	82.8	83.9	83.9	83.9	83.9	83.9	85.0	86.0	86.0	86.0	86.0
2000		73.1	79.6	82.8	83.9	83.9	83.9	83.9	83.9	85.0	86.0	86.0	86.0	86.0
1800		74.2	80.7	83.9	85.0	85.0	85.0	85.0	85.0	86.0	87.1	87.1	87.1	87.1
1500		74.2	80.7	83.9	85.0	85.0	85.0	85.0	85.0	86.0	87.1	87.1	87.1	87.1
1200		75.3	81.7	85.0	86.0	86.0	86.0	86.0	86.0	87.1	88.2	88.2	88.2	88.2
1000		75.3	81.7	85.0	86.0	86.0	86.0	86.0	86.0	87.1	88.2	88.2	88.2	88.2
900		75.3	81.7	85.0	86.0	86.0	86.0	86.0	86.0	87.1	88.2	88.2	88.2	88.2
800		75.3	81.7	85.0	86.0	86.0	86.0	86.0	86.0	87.1	88.2	88.2	88.2	88.2
700		75.3	81.7	85.0	86.0	86.0	86.0	86.0	86.0	87.1	88.2	88.2	88.2	88.2
600		75.3	81.7	85.0	86.0	86.0	86.0	86.0	86.0	87.1	88.2	88.2	88.2	88.2
500		75.3	81.7	85.0	86.0	86.0	86.0	86.0	86.0	87.1	88.2	88.2	88.2	88.2
400		75.3	81.7	85.0	86.0	86.0	86.0	86.0	86.0	87.1	88.2	88.2	88.2	88.2
300		75.3	81.7	85.0	86.0	86.0	86.0	86.0	86.0	87.1	88.2	88.2	88.2	88.2
200		75.3	81.7	85.0	86.0	86.0	86.0	86.0	86.0	87.1	88.2	88.2	88.2	88.2
100		75.3	81.7	85.0	86.0	86.0	86.0	86.0	86.0	87.1	88.2	88.2	88.2	88.2
0		75.3	81.7	85.0	86.0	86.0	86.0	86.0	86.0	87.1	88.2	88.2	88.2	88.2

TOTAL NUMBER OF OBSERVATIONS 93

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13773

QUANTICO, VIRGINIA

73-76

DEC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

07

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	4.4	31.9	33.6	33.6	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3
≥ 20000	4.4	35.4	38.1	38.1	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
≥ 18000	4.4	35.4	38.1	38.1	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
≥ 16000	4.4	35.4	38.1	38.1	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
≥ 14000	5.3	37.2	39.8	39.8	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
≥ 12000	5.3	38.1	40.7	40.7	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
≥ 10000	6.2	45.1	47.8	47.8	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
≥ 9000	6.2	45.1	47.8	47.8	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
≥ 8000	7.1	54.9	58.4	58.4	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 7000	8.0	58.4	62.0	62.0	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 6000	8.0	58.4	62.0	62.0	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 5000	8.9	62.0	66.4	66.4	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
≥ 4500	8.9	64.6	69.0	69.0	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 4000	8.9	68.1	72.6	72.6	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 3500	8.9	69.0	73.5	73.5	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
≥ 3000	8.9	70.8	76.1	77.0	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 2500	8.9	70.8	77.0	77.9	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 2000	9.7	72.6	78.8	79.7	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 1800	9.7	72.6	78.8	79.7	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 1500	9.7	74.3	80.5	81.4	85.8	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 1200	9.7	74.3	80.5	81.4	85.8	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 1000	9.7	75.2	81.4	82.3	86.7	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
900	9.7	75.2	81.4	82.3	86.7	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
800	9.7	75.2	81.4	82.3	86.7	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
700	9.7	75.2	82.3	83.2	88.5	90.3	91.2	92.0	92.0	92.0	92.0	92.0	92.0
600	9.7	75.2	82.3	83.2	88.5	90.3	91.2	92.0	92.0	92.0	92.0	92.0	92.0
500	9.7	77.0	85.0	85.8	91.2	93.8	95.6	96.5	96.5	96.5	96.5	96.5	96.5
400	9.7	77.0	85.0	85.8	91.2	93.8	95.6	96.5	96.5	96.5	96.5	96.5	96.5
300	9.7	77.0	85.0	85.8	91.2	94.7	96.5	97.4	97.4	97.4	97.4	97.4	97.4
200	9.7	77.0	85.0	85.8	91.2	94.7	96.5	97.4	97.4	97.4	97.4	97.4	97.4
100	9.7	77.0	85.0	85.8	91.2	94.7	96.5	97.4	97.4	97.4	97.4	97.4	97.4
0	9.7	77.0	85.0	85.8	91.2	94.7	96.5	97.4	97.4	97.4	97.4	97.4	97.4

TOTAL NUMBER OF OBSERVATIONS

113

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

1977
100-40

QUANTICO, VIRGINIA

73-77

YEARS

DEC

MORTH

10

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	16.3	40.7	40.7	40.7	42.2	42.2	43.0	43.0	43.0	43.0	43.0	43.0
≥ 20000	17.8	44.4	45.2	45.9	47.4	47.4	48.2	48.2	48.2	48.2	48.2	48.2
≥ 18000	17.8	44.4	45.2	45.9	47.4	47.4	48.2	48.2	48.2	48.2	48.2	48.2
≥ 16000	17.8	44.4	45.2	45.9	47.4	47.4	48.2	48.2	48.2	48.2	48.2	48.2
≥ 14000	18.5	45.2	45.9	46.7	48.2	48.2	48.9	48.9	48.9	48.9	48.9	48.9
≥ 12000	18.5	45.9	46.7	47.4	48.9	48.9	49.6	49.6	49.6	49.6	49.6	49.6
≥ 10000	19.3	48.9	49.6	50.4	51.9	51.9	52.6	52.6	52.6	52.6	52.6	52.6
≥ 9000	19.3	49.6	50.4	51.1	52.6	52.6	53.3	53.3	53.3	53.3	53.3	53.3
≥ 8000	23.7	57.8	58.5	60.0	61.5	61.5	62.2	62.2	62.2	62.2	62.2	62.2
≥ 7000	25.2	59.3	60.0	61.5	63.0	63.0	63.7	63.7	63.7	63.7	63.7	63.7
≥ 6000	25.2	59.3	60.0	61.5	63.0	63.0	63.7	63.7	63.7	63.7	63.7	63.7
≥ 5000	25.2	63.0	64.4	65.9	67.4	68.2	69.6	69.6	69.6	69.6	69.6	69.6
≥ 4500	25.2	63.0	64.4	65.9	67.4	68.2	69.6	69.6	69.6	69.6	69.6	69.6
≥ 4000	25.9	68.2	69.6	71.9	73.3	74.1	75.6	75.6	75.6	75.6	75.6	75.6
≥ 3500	26.7	68.9	70.4	72.6	74.1	74.8	76.3	76.3	76.3	76.3	76.3	76.3
≥ 3000	26.7	69.6	71.1	74.1	76.3	77.0	78.5	78.5	78.5	78.5	78.5	78.5
≥ 2500	26.7	69.6	71.1	74.1	76.3	77.0	78.5	78.5	78.5	78.5	78.5	78.5
≥ 2000	26.7	70.4	71.9	74.8	77.0	77.8	79.3	79.3	79.3	80.0	80.0	80.0
≥ 1800	26.7	70.4	71.9	74.8	77.0	77.8	79.3	79.3	79.3	80.0	80.0	80.0
≥ 1500	27.4	71.1	72.6	75.6	77.8	79.3	80.7	80.7	80.7	81.5	81.5	81.5
≥ 1200	27.4	74.1	76.3	79.3	81.5	83.0	84.4	84.4	84.4	85.2	85.2	85.2
≥ 1000	27.4	74.1	77.0	80.0	82.2	83.7	85.9	85.9	85.9	86.7	87.4	87.4
≥ 900	27.4	74.1	77.0	80.0	82.2	83.7	85.9	85.9	85.9	86.7	87.4	87.4
≥ 800	27.4	74.8	77.8	81.5	83.7	85.9	88.2	88.2	88.2	88.9	89.6	89.6
≥ 700	27.4	75.6	78.5	82.2	84.4	86.7	88.9	88.9	88.9	89.6	90.4	90.4
≥ 600	27.4	76.3	79.3	83.0	85.2	87.4	89.6	89.6	89.6	90.4	91.1	91.1
≥ 500	27.4	77.0	81.5	85.2	87.4	89.6	91.9	91.9	91.9	93.3	95.6	95.6
≥ 400	27.4	77.0	81.5	85.2	87.4	89.6	91.9	91.9	91.9	93.3	96.3	96.3
≥ 300	27.4	77.0	81.5	85.2	87.4	90.4	92.6	92.6	92.6	94.1	97.8	97.8
≥ 200	27.4	77.0	81.5	85.2	87.4	90.4	92.6	92.6	92.6	94.1	97.8	97.8
≥ 100	27.4	77.0	81.5	85.2	87.4	90.4	92.6	92.6	92.6	94.1	97.8	97.8
0	27.4	77.0	81.5	85.2	87.4	90.4	92.6	92.6	92.6	94.1	97.8	97.8

TOTAL NUMBER OF OBSERVATIONS

135

CEILING VERSUS VISIBILITY

13773
STATIONQUANTICO, VIRGINIA
STATION NAME

73-77

YEARS

DEC
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)13
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	23.9	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
≥ 20000	25.4	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
≥ 18000	25.4	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
≥ 16000	25.4	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
≥ 14000	25.4	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
≥ 12000	26.1	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
≥ 10000	31.3	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 9000	31.3	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 8000	32.1	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
≥ 7000	32.8	61.9	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 6000	33.6	62.7	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 5000	34.3	66.4	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
≥ 4500	34.3	66.4	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
≥ 4000	35.1	68.7	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 3500	35.8	69.4	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 3000	37.3	71.6	73.9	73.9	73.9	74.6	74.6	74.6	74.6	74.6	74.6
≥ 2500	37.3	73.1	75.4	76.1	76.1	76.9	76.9	76.9	76.9	76.9	76.9
≥ 2000	37.3	73.9	76.1	76.9	77.6	78.4	78.4	78.4	78.4	78.4	78.4
≥ 1800	37.3	74.6	76.9	77.6	78.4	79.1	79.1	79.1	79.1	79.1	79.1
≥ 1500	38.1	75.4	77.6	78.4	79.1	81.3	81.3	82.1	82.1	82.1	82.1
≥ 1200	38.1	76.9	79.1	79.9	80.6	82.8	82.8	83.6	84.3	84.3	84.3
≥ 1000	38.8	77.6	79.9	80.6	82.1	84.3	85.1	85.8	86.6	86.6	87.3
≥ 900	38.8	78.4	80.6	81.3	82.8	85.1	86.6	87.3	88.1	88.1	88.8
≥ 800	38.8	78.4	80.6	81.3	82.8	85.1	86.6	87.3	88.1	88.1	88.8
≥ 700	38.8	79.1	81.3	82.1	83.6	85.8	87.3	88.1	88.8	88.8	89.6
≥ 600	38.8	79.9	82.1	82.8	84.3	86.6	89.6	90.3	91.0	91.0	91.8
≥ 500	38.8	79.9	82.1	82.8	85.1	87.3	91.0	92.5	94.8	95.5	95.5
≥ 400	38.8	79.9	82.1	82.8	85.1	87.3	91.8	93.3	95.5	96.3	97.8
≥ 300	38.8	79.9	82.1	82.8	85.1	87.3	91.8	93.3	95.5	97.0	98.5
≥ 200	38.8	79.9	82.1	82.8	85.1	87.3	91.8	93.3	95.5	97.0	98.5
≥ 100	38.8	79.9	82.1	82.8	85.1	87.3	91.8	93.3	95.5	97.0	98.5
0	38.8	79.9	82.1	82.8	85.1	87.3	91.8	93.3	95.5	97.0	98.5

TOTAL NUMBER OF OBSERVATIONS

134

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION
13773

STATION NAME
QUANTICO, VIRGINIA

73-77

YEARS

DEC

MONTH

16

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	25.2	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 20000	31.6	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
≥ 18000	31.6	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
≥ 16000	31.6	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
≥ 14000	31.6	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
≥ 12000	34.2	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 10000	35.9	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 9000	35.9	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 8000	36.8	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 7000	41.0	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 6000	41.0	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 5000	42.7	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
≥ 4500	42.7	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
≥ 4000	47.0	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 3500	47.0	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 3000	47.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 2500	47.9	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
≥ 2000	48.7	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 1800	48.7	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 1500	48.7	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 1200	48.7	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 1000	48.7	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 900	48.7	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 800	48.7	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 700	48.7	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 600	48.7	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 500	48.7	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 400	48.7	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 300	48.7	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 200	48.7	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 100	48.7	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
0	48.7	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9

TOTAL NUMBER OF OBSERVATIONS

117

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-77

YEARS

DEC
MONTH

19
HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	3.0	48.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
≥ 20000	3.0	50.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
≥ 18000	3.0	51.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
≥ 16000	3.0	51.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
≥ 14000	3.0	51.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
≥ 12000	3.0	53.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
≥ 10000	3.0	57.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
≥ 9000	3.0	57.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
≥ 8000	3.0	63.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 7000	3.0	66.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 6000	3.0	66.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 5000	3.0	69.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 4500	3.0	70.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 4000	3.0	73.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 3500	3.0	73.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 3000	3.0	77.8	79.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
≥ 2500	3.0	79.8	81.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 2000	3.0	80.8	82.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
≥ 1800	3.0	80.8	82.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
≥ 1500	3.0	80.8	82.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
≥ 1200	3.0	81.8	83.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 1000	3.0	81.8	85.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
≥ 900	3.0	81.8	85.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
≥ 800	3.0	81.8	85.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
≥ 700	3.0	81.8	85.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
≥ 600	3.0	81.8	85.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
≥ 500	3.0	81.8	85.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
≥ 400	3.0	81.8	85.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
≥ 300	3.0	81.8	85.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
≥ 200	3.0	81.8	85.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
≥ 100	3.0	81.8	85.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
0	3.0	81.8	85.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9

TOTAL NUMBER OF OBSERVATIONS

99

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13773

QUANTICO, VIRGINIA

73-75

DEC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

22
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	1.1	46.2	47.3	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 20000	1.1	49.5	50.5	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 18000	1.1	49.5	50.5	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 16000	1.1	49.5	50.5	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 14000	1.1	50.5	51.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 12000	1.1	51.6	52.7	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
≥ 10000	1.1	51.6	52.7	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
≥ 9000	1.1	51.6	52.7	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
≥ 8000	1.1	59.1	60.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 7000	1.1	62.4	63.4	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 6000	1.1	62.4	63.4	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 5000	1.1	65.6	66.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 4500	1.1	65.6	66.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 4000	1.1	67.7	69.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 3500	1.1	67.7	69.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 3000	1.1	73.1	75.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 2500	1.1	75.3	77.4	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
≥ 2000	1.1	75.3	77.4	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
≥ 1800	1.1	75.3	78.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 1500	1.1	76.3	80.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 1200	1.1	76.3	80.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 1000	1.1	76.3	81.7	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 900	1.1	76.3	81.7	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 800	1.1	76.3	81.7	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 700	1.1	77.4	82.8	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 600	1.1	77.4	82.8	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 500	1.1	77.4	82.8	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 400	1.1	77.4	82.8	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 300	1.1	77.4	82.8	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 200	1.1	77.4	82.8	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 100	1.1	77.4	82.8	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 0	1.1	77.4	82.8	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0

TOTAL NUMBER OF OBSERVATIONS 93

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-77

YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	11.0	40.8	42.2	42.5	43.2	43.2	43.4	43.6	43.6	43.6	43.7	43.7	43.7
≥ 20000	11.9	44.5	46.1	46.5	47.2	47.2	47.6	47.7	47.7	47.7	47.8	47.8	47.8
≥ 18000	11.9	44.7	46.3	46.8	47.4	47.4	47.8	47.9	47.9	47.9	48.0	48.0	48.0
≥ 16000	11.9	44.7	46.3	46.8	47.4	47.4	47.8	47.9	47.9	47.9	48.0	48.0	48.0
≥ 14000	12.1	45.5	47.1	47.6	48.2	48.4	48.7	48.8	48.8	48.9	49.0	49.0	49.0
≥ 12000	12.5	46.9	48.5	48.9	49.6	49.7	50.1	50.2	50.2	50.3	50.4	50.4	50.4
≥ 10000	13.8	51.4	53.1	53.6	54.3	54.4	54.7	54.9	54.9	55.0	55.1	55.1	55.1
≥ 9000	13.8	51.8	53.5	53.9	54.6	54.7	55.1	55.2	55.2	55.3	55.4	55.4	55.4
≥ 8000	14.8	59.0	60.8	61.4	62.0	62.1	62.5	62.6	62.6	62.7	62.8	62.8	62.8
≥ 7000	15.9	61.2	63.3	63.9	64.5	64.7	65.0	65.1	65.1	65.2	65.3	65.3	65.3
≥ 6000	16.0	61.4	63.4	64.0	64.7	64.8	65.1	65.2	65.2	65.3	65.3	65.3	65.3
≥ 5000	16.4	65.0	67.5	68.3	69.2	69.4	69.9	70.0	70.0	70.1	70.2	70.2	70.2
≥ 4500	16.4	65.5	68.1	68.9	69.8	70.1	70.6	70.7	70.7	70.8	70.9	70.9	70.9
≥ 4000	17.2	69.2	72.1	73.0	73.9	74.2	74.7	74.8	74.8	74.9	75.0	75.0	75.0
≥ 3500	17.5	69.8	72.6	73.6	74.7	75.0	75.5	75.6	75.6	75.7	75.8	75.8	75.8
≥ 3000	17.8	73.0	76.4	77.5	79.0	79.6	80.2	80.4	80.4	80.7	80.8	80.8	80.8
≥ 2500	17.8	74.1	77.8	79.3	80.7	81.3	81.9	82.1	82.1	82.4	82.6	82.6	82.6
≥ 2000	18.0	75.0	78.7	80.2	81.9	82.4	83.0	83.2	83.2	83.7	83.8	83.8	83.9
≥ 1800	18.0	75.1	78.9	80.4	82.1	82.7	83.2	83.5	83.5	83.9	84.0	84.0	84.2
≥ 1500	18.2	76.2	80.1	81.6	83.6	84.6	85.2	85.5	85.5	86.0	86.1	86.1	86.2
≥ 1200	18.2	77.1	81.1	82.8	85.1	86.1	86.7	87.0	87.0	87.6	87.9	87.9	88.0
≥ 1000	18.4	77.4	81.9	83.6	86.0	87.0	87.9	88.3	88.3	89.1	89.4	89.5	89.7
≥ 900	18.4	77.7	82.1	83.9	86.3	87.5	88.5	88.8	88.8	89.6	90.2	90.3	90.5
≥ 800	18.4	77.8	82.2	84.0	86.6	88.0	89.3	89.6	89.6	90.4	91.1	91.3	91.6
≥ 700	18.4	78.1	82.8	84.6	87.2	88.9	90.3	90.7	90.7	91.6	92.4	92.6	92.8
≥ 600	18.4	78.3	83.0	84.8	87.5	89.3	91.0	91.3	91.3	92.4	93.3	93.5	93.7
≥ 500	18.4	78.7	83.8	85.8	88.8	90.8	92.7	93.3	93.3	94.6	95.8	96.0	96.2
≥ 400	18.4	78.7	83.8	85.8	88.9	90.9	93.2	93.7	93.7	95.4	96.7	96.9	97.2
≥ 300	18.4	78.7	83.8	85.8	88.9	91.1	93.5	94.2	94.2	95.9	97.4	97.6	97.8
≥ 200	18.4	78.7	83.8	85.8	88.9	91.1	93.5	94.2	94.2	95.9	97.6	98.0	98.3
≥ 100	18.4	78.7	83.8	85.8	88.9	91.1	93.5	94.2	94.2	95.9	97.6	98.0	98.5
≥ 0	18.4	78.7	83.8	85.8	88.9	91.1	93.5	94.2	94.2	95.9	97.6	98.0	98.5

877

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-77

YEARS

ALL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	14.5	42.1	45.1	47.1	49.0	49.7	50.3	50.5	50.5	50.7	50.8	50.8	50.8	50.8
≥ 20000	16.6	48.0	51.4	53.7	55.8	56.6	57.2	57.6	57.6	57.8	57.8	57.8	57.9	57.9
≥ 18000	16.7	48.2	51.6	53.9	56.0	56.8	57.5	57.8	57.8	58.0	58.0	58.1	58.1	58.1
≥ 16000	16.8	48.2	51.7	54.0	56.1	56.8	57.5	57.8	57.8	58.0	58.1	58.1	58.2	58.2
≥ 14000	16.9	48.6	52.1	54.4	56.5	57.3	58.0	58.3	58.3	58.5	58.6	58.6	58.6	58.7
≥ 12000	17.4	50.1	53.6	55.9	58.1	58.9	59.5	59.9	59.9	60.1	60.1	60.2	60.2	60.2
≥ 10000	18.6	54.3	58.3	60.8	63.2	64.1	64.8	65.1	65.1	65.3	65.4	65.4	65.5	65.5
≥ 9000	18.7	54.6	58.5	61.1	63.5	64.3	65.0	65.4	65.4	65.6	65.6	65.7	65.7	65.7
≥ 8000	19.9	59.4	63.9	66.6	69.2	70.1	70.9	71.2	71.2	71.4	71.5	71.5	71.6	71.6
≥ 7000	20.2	60.4	64.9	67.7	70.3	71.2	72.0	72.4	72.4	72.6	72.6	72.7	72.7	72.8
≥ 6000	20.3	60.7	65.2	68.1	70.7	71.6	72.4	72.8	72.8	73.0	73.1	73.1	73.1	73.2
≥ 5000	20.9	62.7	67.3	70.3	73.0	74.0	74.6	75.2	75.2	75.4	75.5	75.5	75.5	75.6
≥ 4500	21.1	63.3	68.0	71.0	73.8	74.8	75.6	76.0	76.0	76.2	76.3	76.3	76.4	76.4
≥ 4000	21.7	65.6	70.7	73.9	76.9	78.0	78.9	79.2	79.2	79.5	79.5	79.6	79.6	79.6
≥ 3500	22.2	66.7	72.0	75.3	78.4	79.5	80.4	80.8	80.8	81.0	81.1	81.1	81.2	81.2
≥ 3000	22.9	69.5	75.1	78.6	82.0	83.2	84.2	84.6	84.6	84.9	84.9	85.0	85.0	85.1
≥ 2500	23.2	70.8	76.5	80.2	83.7	85.0	86.1	86.5	86.5	86.8	86.8	86.9	86.9	87.0
≥ 2000	23.5	71.9	77.8	81.6	85.3	86.7	87.8	88.3	88.3	88.6	88.7	88.7	88.8	88.8
≥ 1800	23.5	71.9	77.9	81.7	85.4	86.8	88.0	88.5	88.5	88.8	88.9	88.9	89.0	89.0
≥ 1500	23.6	72.7	78.8	82.7	86.7	88.3	89.4	90.0	90.0	90.3	90.4	90.4	90.5	90.5
≥ 1200	23.7	73.2	79.4	83.5	87.6	89.2	90.5	91.1	91.2	91.5	91.6	91.6	91.7	91.7
≥ 1000	23.7	73.8	80.2	84.4	88.8	90.7	92.1	92.8	92.9	93.3	93.4	93.5	93.6	93.6
≥ 900	23.8	73.9	80.4	84.6	89.1	91.0	92.5	93.3	93.3	93.7	93.9	94.0	94.0	94.1
≥ 800	23.8	74.1	80.7	85.0	89.6	91.7	93.3	94.1	94.1	94.5	94.7	94.8	94.9	94.9
≥ 700	23.8	74.3	80.9	85.3	90.0	92.1	93.8	94.6	94.6	95.2	95.4	95.5	95.6	95.7
≥ 600	23.8	74.4	81.1	85.5	90.3	92.5	94.3	95.2	95.2	95.8	96.1	96.2	96.3	96.4
≥ 500	23.8	74.6	81.4	85.9	90.9	93.3	95.3	96.4	96.4	97.2	97.5	97.7	97.9	97.9
≥ 400	23.8	74.7	81.5	86.0	91.1	93.6	95.7	96.8	96.8	97.7	98.2	98.3	98.4	98.6
≥ 300	23.8	74.7	81.5	86.1	91.1	93.7	95.8	97.0	97.1	98.1	98.6	98.7	98.9	99.2
≥ 200	23.8	74.7	81.6	86.1	91.1	93.7	95.9	97.1	97.2	98.2	98.9	99.1	99.3	99.6
≥ 100	23.8	74.7	81.6	86.1	91.1	93.7	95.9	97.2	97.2	98.3	98.9	99.1	99.3	99.8
0	23.8	74.7	81.6	86.1	91.1	93.7	95.9	97.2	97.2	98.3	98.9	99.1	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS

11537

SKY COVER

13773 QUANTICO, VIRGINIA STATION NAME 73-77 PERIOD JAN MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10	
JAN	01	33.1	3.2	4.0	3.2	3.2	1.6	4.0	3.2	6.5	1.6	36.3	124
	04	28.2		5.6	6.5	4.0	3.2	1.6	2.4	6.5	2.4	39.5	124
	07	14.6	6.9	3.5	2.1	5.6	2.8	2.1	6.9	6.9	6.9	41.7	144
	10	13.9	2.1	6.3	5.6	4.9	4.2	2.1	6.9	5.6	2.8	45.8	144
	13	9.1	3.5	3.5	2.1	4.2	4.2	3.5	7.7	6.3	11.2	44.8	143
	16	12.5	1.4	4.2	3.5	2.1	4.2	1.4	8.3	8.3	10.4	43.8	144
	19	15.1	5.6	4.0	7.1	5.6	3.2	3.2	4.0	6.3	4.0	42.1	126
	22	26.6	2.4	4.0	4.0	4.8	1.6	.8	7.3	8.1	4.0	36.3	124
TOTALS		19.1	3.1	4.4	4.3	4.3	3.1	2.3	5.8	6.8	5.4	41.3	1073

PERIOD

73-77

QUANTICO, VIRGINIA
STATION NAME

13773
STATION

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
FEB	01	31.9	1.8	3.5	1.8	1.8	5.3	4.4	2.7	3.5	2.7	40.7	5.5	113
	04	32.7	.9	1.8	1.8	5.3	2.7	4.4	9.7	3.5	4.4	32.7	5.3	113
	07	15.5	7.8	5.2	6.0	6.0	.9		6.9	10.3	6.0	35.3	6.0	116
	10	17.4	6.8	3.8	6.1	1.5	.8	8.3	2.3	9.8	5.3	37.9	6.1	132
	13	15.2	4.5	3.0	6.1	6.8	6.1	4.5	5.3	9.1	4.5	34.8	6.1	132
	16	13.8	5.4	5.4	7.7	4.6	2.3	2.3	3.8	13.1	5.4	36.2	6.2	130
	19	22.2	2.6	3.4	8.5	5.1	5.1	4.3	6.8	1.7	8.5	31.6	5.6	117
	22	31.0	2.7	4.4	5.3	4.4	4.4	3.5	6.2	3.5	.9	33.6	5.0	113
TOTALS		235	41	38	54	44	35	40	55	68	47	314	5.7	966

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STATION
13773

QUANTICO, VIRGINIA
STATION NAME

73-77

PERIOD

MAR MONTH

YEAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

5704 SKY COVER JAN 68

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
MAR	01	25.4	2.5	4.9	6.6	1.6	.8	.8	1.6	4.1	4.9	46.7	6.0	122
	04	25.0	3.2	4.0	3.2	1.6	2.4	2.4	4.8	4.0	3.2	46.0	6.1	124
	07	11.2	2.4	4.8	5.6	.8	4.0	2.4	6.4	7.2	4.8	50.4	7.2	125
	10	10.2	4.1	.7	5.4	5.4	3.4	2.0	6.1	8.2	8.2	46.3	7.2	147
	13	8.8	4.1	2.0	3.4	3.4	7.5	2.0	6.8	10.9	5.4	45.6	7.2	147
	16	11.3	1.4	4.2	4.2	2.8	2.1	4.2	5.6	10.6	10.6	43.0	7.2	142
	19	15.1	2.4	4.0	7.1	4.0	2.4	2.4	10.3	9.5	4.8	38.1	6.5	126
	22	22.6	.8	5.6	8.1	4.0	3.2	3.2	4.8	4.0	4.8	38.7	5.8	124
TOTALS		16.2	2.6	3.8	5.5	3.0	3.2	2.4	5.8	7.3	5.8	44.4	6.7	1057

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5704 SKY COVER JAN 68

APR
MONTH

73-77

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QUANTICO, VIRGINIA

13773
STATION

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
APR	01	32.2	1.7	2.5	5.1	5.9	4.2	4.2	3.4	8.5	.8	31.4	5.1	118
	04	29.4	1.7	4.2	9.2	4.2	4.2	2.5	5.0	8.4	5.0	26.1	5.0	119
	07	17.9	4.9	3.3	6.5	4.9	6.5	4.9	6.5	7.3	8.9	28.5	5.8	123
	10	13.6	6.4	10.0	5.0	4.3	5.7	1.4	7.9	9.3	7.1	29.3	5.8	140
	13	12.9	2.9	3.6	3.6	6.5	5.0	2.2	7.9	12.9	12.2	30.2	6.6	139
	16	9.8	3.0	2.3	5.3	7.6	6.1	5.3	11.4	7.6	12.1	29.5	6.6	132
	19	14.2	8.3	7.5	5.0	3.3	3.3	2.5	7.5	12.5	5.0	30.8	5.9	120
	22	28.8	.8	8.5	8.5	1.7	3.4	3.4	8.5	8.5	.8	27.1	4.9	118
TOTALS		19.9	3.7	5.2	6.0	4.8	4.8	3.3	7.3	9.4	6.5	29.1	5.7	1009

MAY
MONTH

PERIOD

73-77

INIA
STATION NAME

QUANTICO, VIRGINIA

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
MAY	01	22.4		7.5	5.6	5.6	2.8	2.8	6.5	6.5	1.9	38.3	5.8	107
	04	18.9	1.6	6.6	4.9	6.6	7.4	3.3	6.6	4.9	3.3	36.1	5.9	122
	07	13.3	4.9	4.9	7.7	5.6	4.2	2.1	8.4	7.0	5.6	36.4	6.2	143
	10	8.3	2.8	5.6	6.3	6.9	3.5	5.6	4.2	11.8	7.6	37.5	6.8	144
	13	4.2	2.1	4.2	3.5	5.6	7.0	4.2	8.4	11.9	11.2	37.8	7.4	143
	16	4.0	.8	2.4	.8	4.0	6.4	5.6	8.8	15.2	6.0	44.0	7.8	125
	19	8.2	1.8	1.8	7.3	2.7	4.5	3.6	11.8	10.0	11.8	36.4	7.2	110
	22	14.0	2.8	4.7	10.3	5.6	2.8	3.7	.9	12.1	3.7	39.3	6.3	107
TOTALS		11.7	2.1	4.7	5.8	5.3	4.8	3.9	7.0	9.9	6.6	38.2	6.7	1001

MONTH
JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JUN	01	17.8	1.1	4.4	11.1	5.6	5.6	3.3	6.7	7.8	3.3	33.3	5.9	90
	04	12.6	3.4	5.9	4.2	5.0	7.6	6.7	5.9	15.1	5.9	27.7	6.2	119
	07	9.9	3.5	4.9	3.5	3.5	6.3	5.6	4.2	13.4	8.5	36.6	6.8	142
	10	9.2	2.1	1.4	4.9	4.9	5.6	5.6	7.0	13.4	8.5	37.3	7.1	142
	13	4.2	3.5	2.8	7.7	3.5	7.7	4.9	7.0	12.7	12.0	33.8	7.1	142
	16	4.1	4.9	4.1	3.3	7.2	7.2	3.3	11.4	11.4	7.3	35.8	7.0	123
	19	5.8	2.9	4.8	5.8	6.7	6.7	8.7	5.8	8.7	6.7	37.5	6.9	104
	22	12.0		5.4	12.0	9.8	4.3	3.3	3.3	7.6	3.3	39.1	6.3	92
TOTALS		9.5	2.7	4.2	6.6	5.8	6.4	5.2	6.4	11.3	6.9	35.1	6.7	954

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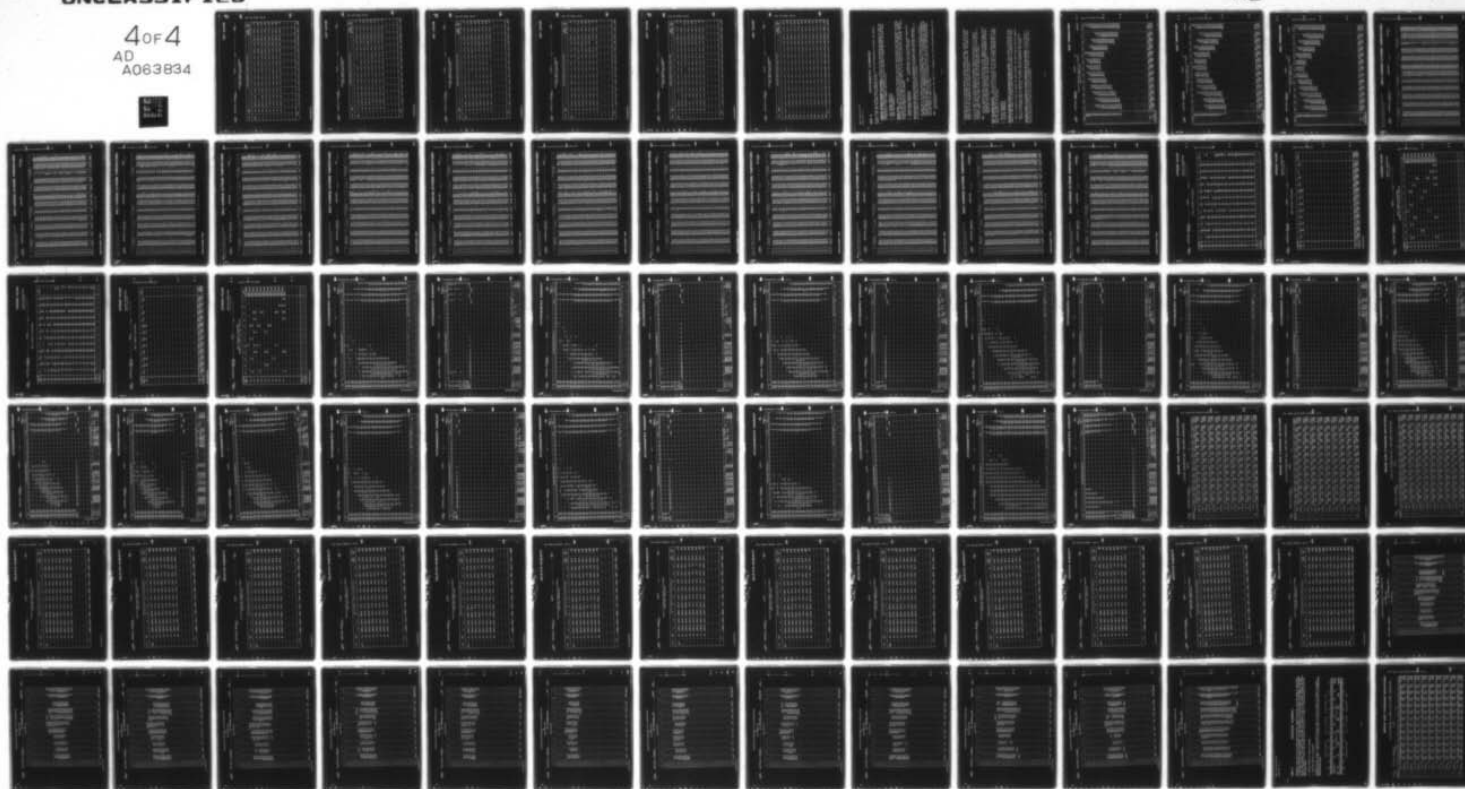
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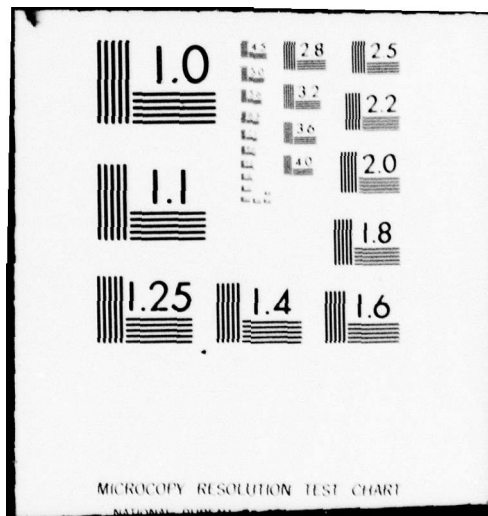
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STATION
13773

QUANTICO, VIRGINIA

73-77

PERIOD

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

5704 SKY COVER JAN 68

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
AUG	01	22.6	2.2	4.3	5.4	6.5	2.2	9.7	7.5	5.4	1.1	33.3	5.6	93
	04	31.7		4.1	12.2	3.3	5.7	4.9	8.1	3.3	.8	26.0	4.7	123
	07	16.0	2.8	5.6	6.9	2.1	6.3	6.2	2.8	13.2	8.3	29.9	6.1	144
	10	19.7	1.4	4.1	5.4	6.8	6.1	2.7	8.8	12.2	4.8	27.9	5.8	147
	13	6.8	2.7	7.5	5.5	8.2	6.2	6.8	9.6	11.6	6.8	28.1	6.4	146
	16	8.9	7.3	6.5	3.2	5.6	12.1	7.3	6.5	7.3	5.6	29.8	6.1	124
	19	11.9	4.6	4.6	6.4	6.4	10.1	4.6	6.4	4.6	6.4	33.9	6.2	109
	22	18.6	2.1	5.2	9.3	6.2	6.2	5.2	7.2	6.2	2.1	32.0	5.6	97
TOTALS		170	20	82	68	86	60	59	71	80	42	301	5.8	983

2

PERIOD	1970-1971	1971-1972	1972-1973	1973-1974	1974-1975	1975-1976	1976-1977	1977-1978	1978-1979	1979-1980	1980-1981	1981-1982	1982-1983	1983-1984	1984-1985	1985-1986	1986-1987	1987-1988	1988-1989	1989-1990	1990-1991	1991-1992	1992-1993	1993-1994	1994-1995	1995-1996	1996-1997	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005	2005-2006	2006-2007	2007-2008	2008-2009	2009-2010	2010-2011	2011-2012	2012-2013	2013-2014	2014-2015	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	2024-2025	2025-2026	2026-2027	2027-2028	2028-2029	2029-2030	2030-2031	2031-2032	2032-2033	2033-2034	2034-2035	2035-2036	2036-2037	2037-2038	2038-2039	2039-2040	2040-2041	2041-2042	2042-2043	2043-2044	2044-2045	2045-2046	2046-2047	2047-2048	2048-2049	2049-2050	2050-2051	2051-2052	2052-2053	2053-2054	2054-2055	2055-2056	2056-2057	2057-2058	2058-2059	2059-2060	2060-2061	2061-2062	2062-2063	2063-2064	2064-2065	2065-2066	2066-2067	2067-2068	2068-2069	2069-2070	2070-2071	2071-2072	2072-2073	2073-2074	2074-2075	2075-2076	2076-2077	2077-2078	2078-2079	2079-2080	2080-2081	2081-2082	2082-2083	2083-2084	2084-2085	2085-2086	2086-2087	2087-2088	2088-2089	2089-2090	2090-2091	2091-2092	2092-2093	2093-2094	2094-2095	2095-2096	2096-2097	2097-2098	2098-2099	2099-2100	2100-2101	2101-2102	2102-2103	2103-2104	2104-2105	2105-2106	2106-2107	2107-2108	2108-2109	2109-2110	2110-2111	2111-2112	2112-2113	2113-2114	2114-2115	2115-2116	2116-2117	2117-2118	2118-2119	2119-2120	2120-2121	2121-2122	2122-2123	2123-2124	2124-2125	2125-2126	2126-2127	2127-2128	2128-2129	2129-2130	2130-2131	2131-2132	2132-2133	2133-2134	2134-2135	2135-2136	2136-2137	2137-2138	2138-2139	2139-2140	2140-2141	2141-2142	2142-2143	2143-2144	2144-2145	2145-2146	2146-2147	2147-2148	2148-2149	2149-2150	2150-2151	2151-2152	2152-2153	2153-2154	2154-2155	2155-2156	2156-2157	2157-2158	2158-2159	2159-2160	2160-2161	2161-2162	2162-2163	2163-2164	2164-2165	2165-2166	2166-2167	2167-2168	2168-2169	2169-2170	2170-2171	2171-2172	2172-2173	2173-2174	2174-2175	2175-2176	2176-2177	2177-2178	2178-2179	2179-2180	2180-2181	2181-2182	2182-2183	2183-2184	2184-2185	2185-2186	2186-2187	2187-2188	2188-2189	2189-2190	2190-2191	2191-2192	2192-2193	2193-2194	2194-2195	2195-2196	2196-2197	2197-2198	2198-2199	2199-2200	2200-2201	2201-2202	2202-2203	2203-2204	2204-2205	2205-2206	2206-2207	2207-2208	2208-2209	2209-2210	2210-2211	2211-2212	2212-2213	2213-2214	2214-2215	2215-2216	2216-2217	2217-2218	2218-2219	2219-2220	2220-2221	2221-2222	2222-2223	2223-2224	2224-2225	2225-2226	2226-2227	2227-2228	2228-2229	2229-2230	2230-2231	2231-2232	2232-2233	2233-2234	2234-2235	2235-2236	2236-2237	2237-2238	2238-2239	2239-2240	2240-2241	2241-2242
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MONTH

NAVWEASERVCOM

73-77

INIA
STATION NAME

QUANTICO, VIRGINIA

STATION
13773

**PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
DEC	01	22.6		5.4	6.5	5.4	1.1	2.2	5.4	4.3	1.1	46.2	6.1	93
	04	22.6	1.1	4.3	3.2	1.1	3.2	6.5	2.2	8.6	3.2	44.1	6.3	93
	07	10.6	4.4	7.1	3.2	5.3		1.8	10.6	8.6	9.7	38.1	6.7	113
	10	9.6	2.2	6.7	8.1	5.9	5.2	3.0	7.4	6.7	5.2	40.0	6.6	135
	13	9.0	5.2	3.0	6.7	5.2	6.0	3.0	4.5	6.7	9.0	41.8	6.8	134
	16	8.5	4.3	5.1	3.4	6.8	3.4	3.4	9.4	7.7	6.0	41.9	6.9	117
	19	18.2	1.0	3.0	9.1	3.0	7.1	4.0	3.0	7.1	4.0	40.4	6.2	99
	22	21.5	1.1	2.2	5.4	3.2	7.5	2.2	5.4	6.5	1.1	44.1	6.2	93
TOTALS		15.3	2.4	4.6	5.7	4.5	4.2	3.3	6.0	7.1	4.9	42.1	6.5	877

SKY COVER

5704 SKY COVER JAN 68

13773 QUANTICO, VIRGINIA

73-77

ALL MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10	
JAN	ALL	19.1	3.1	4.4	4.3	4.3	3.1	2.3	5.8	6.8	5.4	41.3	1073
FEB		22.5	4.1	3.8	5.4	4.4	3.5	4.0	5.5	6.8	4.7	35.4	966
MAR		16.2	2.6	3.8	5.5	3.0	3.2	2.4	5.8	7.3	5.8	44.4	1057
APR		19.9	3.7	5.2	6.0	4.8	4.8	3.3	7.3	9.4	6.5	29.1	1009
MAY		11.7	2.1	4.7	5.8	5.3	4.8	3.9	7.0	9.9	6.6	38.2	1001
JUN		9.5	2.7	4.2	6.6	5.8	6.4	5.2	6.4	11.3	6.9	35.1	954
JUL		12.9	4.5	5.4	7.8	5.9	6.7	4.7	8.1	8.7	5.6	29.7	965
AUG		17.0	2.9	5.2	6.8	5.6	6.9	5.9	7.1	8.0	4.5	30.1	983
SEP		12.8	3.7	7.2	6.9	6.0	5.9	3.6	7.5	7.1	6.4	33.1	901
OCT		29.9	4.6	5.0	5.2	4.4	3.8	3.0	4.9	6.8	5.5	27.0	918
NOV		22.4	4.2	5.3	6.8	4.7	6.0	4.5	5.3	7.9	4.2	29.0	834
DEC		15.3	2.4	4.6	5.7	4.5	4.2	3.3	6.0	7.1	4.9	42.1	877
TOTALS		17.4	3.4	4.9	6.1	4.9	4.9	3.8	6.4	8.1	5.6	34.5	11538

PART E PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentation follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviation, and total number of observations in three separate tables as follows:
 - a. Daily maximum temperature
 - b. Daily minimum temperature
 - c. Daily mean temperature
2. Extreme values - derived from daily observations with extreme value given for each year and month of record available. Extremes are provided for a month if all days for a month contain valid observations. All months for a year must have valid extremes before the ANNUAL value is selected for that year. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extreme temperatures are prepared:
 - a. Extreme maximum temperature
 - b. Extreme minimum temperature

NOTE: A supplementary list also provides extreme temperatures when less than a full month is reported.
3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature.
This tabulation is derived from 3-hourly observations and is presented by month and annual, all hours and all years combined. The following information is provided:
 - a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature vertically. Also provided for each dry-bulb temperature interval is the total no. of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may require two pages in some cases.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ($\sum X^2$), sums of values ($\sum X$), means (\bar{X}), and standard deviations (σx). The number of observations used in the computations for each element is also shown.

c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulations by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years available are combined. Tables are prepared for the following:

- a. Dry-bulb temperature
- b. Wet-bulb temperature
- c. Dew-point temperature

5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.

- a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
- b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

6. Percentage frequency of occurrence of dry-bulb temperature versus wind direction - This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The main body of the summary consists of dry bulb temperatures spread vertically in four degree increments and horizontally by eight wind directions (plus calm).

DAILY TEMPERATURES

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

45-76

YEARS

MAXIMUM

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
105									.1				.0
100								.2					.1
95								4.6	1.0				1.6
90								25.1	8.6				8.3
85								57.4	25.1				19.2
80								69.5	47.6				30.2
75								90.5	71.1				39.7
70								99.9	87.3				48.5
65								100.0	95.4				56.0
60									99.2				64.0
55									100.0				71.1
50													78.0
45													85.5
40													92.1
35													96.4
30													98.7
25													99.9
20													100.0
15													100.0
10													100.0
MEAN	44.2	46.7	55.2	66.9	75.4	83.6	87.0	85.4	78.8	68.7	57.1	46.1	66.3
S. D.	11.012	10.804	11.702	10.822	8.829	7.334	5.486	5.682	7.920	8.514	10.036	10.180	17.891
TOTAL OBS.	956	902	941	957	959	959	990	990	958	984	948	982	11576

NAVWEASERVCOM

21 Daily Temperatures Jan 1969

DAILY TEMPERATURES

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

45-76

YEARS

MINIMUM

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

TEMP (°F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
80						1.0	2	2.3	.5	.1			.0
75						21.0	43.7	33.4	11.5	.7			.8
70						48.2	75.6	70.1	31.4	4.3			9.5
65						71.7	93.6	88.4	52.9	12.1			20.4
60						89.4	99.3	97.0	73.6	23.2			30.0
55						97.5	99.9	99.8	88.4	43.9			38.3
50						99.8	100.0	100.0	96.7	64.5			46.7
45						99.8	100.0	100.0	99.3	82.4			54.0
40						99.8	100.0	100.0	99.3	92.8			63.0
35						99.8	100.0	100.0	100.0	98.8			71.8
30						99.8	100.0	100.0	100.0	99.9			82.9
25						99.8	100.0	100.0	100.0	99.9			91.1
20						99.8	100.0	100.0	100.0	100.0			95.6
15						99.8	100.0	100.0	100.0	100.0			98.0
10						99.8	100.0	100.0	100.0	100.0			99.4
5						99.8	100.0	100.0	100.0	100.0			99.8
0						99.8	100.0	100.0	100.0	100.0			100.0
5-						100.0	100.0	100.0	100.0	100.0			100.0
MEAN	27.2	28.4	35.4	44.8	54.3	63.4	67.9	66.5	59.7	48.1	37.3	29.3	46.9
S. D.	9.663	9.106	8.676	8.771	8.038	6.544	4.963	5.392	7.994	9.140	9.429	8.794	16.793
TOTAL OBS.	934	902	990	954	937	958	989	989	958	983	948	982	11564

DAILY TEMPERATURES

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

43-76

YEARS

MEAN

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
85						2.2	5.1	2.7	.2				.9
80					2.1	20.0	36.6	26.0	8.0				7.9
75			.2	2.1	11.3	48.4	74.2	65.5	26.8	2.1	.1		19.5
70			1.0	8.3	30.0	73.0	96.7	90.5	50.7	7.6	.7		30.2
65		.1	2.3	18.6	53.1	92.3	100.0	99.2	75.8	24.1	4.2	.1	39.6
60	1.0	1.3	8.3	33.4	76.6	98.7		100.0	90.8	46.2	10.2	1.0	47.7
55	3.4	4.2	18.0	52.6	91.3	100.0			97.8	69.8	22.0	3.2	55.5
50	6.4	9.9	31.1	75.5	98.4				99.8	87.9	40.2	10.3	63.8
45	17.8	20.4	50.0	92.2	100.0				100.0	96.2	59.1	21.7	71.8
40	33.8	42.6	72.7	98.7						99.6	82.0	40.4	81.0
35	57.8	65.2	89.8	99.9						100.0	94.3	65.9	89.6
30	75.9	82.3	97.2	100.0							98.5	83.4	94.9
25	89.0	92.6	99.4								99.8	94.0	97.9
20	95.3	98.2	100.0								100.0	98.6	99.4
15	98.4	99.7										99.9	99.8
10	99.8	100.0										100.0	100.0
5	100.0												100.0
MEAN	35.9	37.8	45.5	56.1	65.1	73.7	77.7	76.2	69.5	58.7	47.6	37.9	56.8
S.D.	9.599	9.086	9.322	8.797	7.484	6.198	4.460	4.786	7.195	7.820	8.970	8.756	16.927
TOTAL OBS.	954	902	990	954	957	958	989	989	958	983	948	982	11564

NAVWEASERVCOM

5721 Daily Temperatures Jan 1969

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

5725 DAILY AVERAGE/EXTREME TEMP MAR 1970

13773 STATION

QUANTICO, VIRGINIA

1946-1976

YEARS

JANUARY

MONTH

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		AVERAGE		EXTREME		DATE	
	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C
1	36.7	2.6	44.5	6.9	71	21.7	26.9	-1.8	12	-11.1	1968	
2	35.3	1.8	43.7	6.5	65	18.3	26.9	-2.8	10	-12.2	1968	
3	37.8	3.2	46.1	7.8	65	18.3	29.3	-1.4	13	-10.6	1958	
4	37.5	3.1	45.5	7.5	72	22.2	29.4	-1.4	18	-7.8	1969*	
5	35.3	1.8	43.4	6.3	72	22.2	27.1	-2.7	12	-11.1	1959	
6	36.0	2.2	44.0	6.7	73	22.8	27.9	-2.3	6	-14.4	1959	
7	36.2	2.3	44.2	6.8	68	20.0	26.2	-2.1	10	-12.2	1968	
8	34.0	1.1	41.0	5.0	62	16.7	26.9	-2.8	2	-16.7	1968	
9	35.5	1.9	43.1	6.2	65	18.3	27.9	-2.3	3	-16.1	1970	
10	35.6	2.0	44.3	6.9	72	22.2	26.0	-3.0	3	-16.1	1970	
11	35.4	1.9	43.5	6.4	72	22.2	27.4	-2.6	8	-13.3	1970*	
12	33.5	0.8	41.4	5.2	57	13.9	25.7	-3.5	8	-13.3	1968	
13	34.3	1.3	42.4	5.8	64	17.8	26.2	-3.2	11	-11.7	1962	
14	35.8	2.1	44.4	6.9	66	18.9	27.2	-2.7	14	-10.0	1964	
15	35.8	2.1	44.5	6.9	75	23.9	27.1	-2.7	3	-16.1	1964	
16	34.4	1.3	43.4	6.3	72	22.2	25.5	-3.6	3	-16.1	1972	
17	33.5	0.8	42.6	5.9	61	16.1	24.4	-4.2	6	-14.4	1972*	
18	35.0	1.7	42.6	5.9	66	18.9	26.9	-2.8	-1	-18.3	1957	
19	34.7	1.5	43.4	6.3	67	19.4	26.0	-3.3	4	-15.6	1957	
20	35.8	2.1	44.3	6.8	68	20.0	27.3	-2.6	11	-11.7	1948	
21	35.3	1.8	44.3	6.8	69	20.6	26.4	-3.1	9	-12.8	1970	
22	35.8	2.1	45.3	7.4	65	18.3	26.3	-3.2	2	-16.7	1970	
23	36.9	2.7	46.5	8.1	78	25.6	27.3	-2.6	5	-15.0	1970	
24	35.9	2.2	44.6	7.0	74	23.3	27.2	-2.7	7	-13.9	1963	
25	38.1	3.4	47.0	8.3	75	23.9	29.3	-1.5	3	-16.1	1961	
26	39.2	4.0	48.6	9.2	80	26.7	29.7	-1.3	0	-17.8	1948	
27	37.9	3.3	47.2	8.4	74	23.3	28.5	-1.9	6	-14.4	1961	
28	34.9	1.6	44.0	6.7	74	23.3	25.7	-3.5	-3	-20.6	1961	
29	35.3	1.8	44.5	6.9	75	23.9	26.0	-3.3	-1	-18.3	1961	
30	36.6	2.6	45.0	7.2	72	22.2	28.2	-2.1	10	-12.2	1961	
31	33.2	0.7	41.6	5.3	67	19.4	24.9	-3.9	4	-15.6	1963*	
Monthly	35.7	2.1	44.2	6.8	80	26.7	27.2	-2.7	-5	-20.6	1961	

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

DAILY AVERAGE/EXTREME TEMPERATURES

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

13773

QUANTICO, VIRGINIA
STATION NAME

1945-1976

YEARS

FEBRUARY

MONTH

DAY	MEAN TEMP		AVERAGE				MAXIMUM TEMP				AVERAGE				MINIMUM TEMP			
	AVERAGE		°C		°F		°C		°F		°C		°F		°C		°F	
	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C
1	34.1	1.2	42.4	5.8	60	15.6	1967*	25.9	-3.4	0	-17.8	1965						
2	34.5	1.4	42.1	5.6	69	20.6	1967	26.8	-2.9	4	-15.6	1971						
3	31.9	-0.1	40.4	4.7	57	13.9	1970	23.3	-4.8	1	-17.2	1965						
4	33.2	0.7	41.9	5.5	65	18.3	1957	24.5	-4.2	0	-17.8	1965						
5	34.8	1.6	43.3	6.3	63	17.2	1962	26.3	-3.2	8	-13.3	1965*						
6	36.9	2.7	46.0	7.8	60	15.6	1960	27.8	-2.3	6	-14.4	1966						
7	36.8	2.7	45.1	7.3	59	15.0	1965	28.6	-1.9	16	-8.9	1962*						
8	35.1	1.7	43.5	6.4	65	18.3	1965	26.6	-3.0	11	-11.7	1967						
9	35.4	1.9	43.8	6.6	68	20.0	1949	27.0	-2.8	10	-12.2	1967						
10	36.9	2.7	46.2	7.9	70	21.1	1959	27.5	-2.5	6	-14.4	1958						
11	37.2	2.9	46.6	8.1	65	18.3	1960*	27.7	-2.4	8	-13.3	1958						
12	35.7	2.1	45.2	7.3	68	20.0	1951	26.2	-3.2	11	-11.7	1955						
13	37.3	2.9	46.4	8.0	70	21.1	1951*	28.2	-2.1	9	-12.8	1967*						
14	38.5	3.6	48.5	9.2	70	21.1	1951	28.5	-1.9	8	-13.3	1955						
15	38.8	3.8	48.3	9.1	78	25.6	1949	29.4	-1.4	15	-9.4	1963						
16	38.4	3.6	46.6	8.1	76	24.4	1954	30.2	-1.0	10	-12.2	1963						
17	38.6	3.7	46.9	8.3	77	25.0	1976	30.3	-0.9	5	-13.0	1958						
18	38.6	3.7	49.0	9.4	75	23.9	1976	28.2	-2.1	10	-12.2	1958						
19	39.3	4.1	48.2	9.0	73	22.8	1961	30.4	-0.9	13	-10.6	1968						
20	37.6	3.1	46.5	8.1	72	22.2	1971	28.7	-1.8	14	-10.0	1959						
21	37.2	2.9	46.5	8.1	74	23.3	1953	27.9	-2.3	11	-11.7	1968						
22	38.6	3.7	47.9	8.8	72	22.2	1974	29.3	-1.5	7	-13.9	1968						
23	38.0	3.3	47.5	8.6	62	16.7	1959	28.6	-1.9	6	-14.4	1963						
24	39.3	4.1	49.6	9.8	65	18.3	1961	29.0	-1.7	6	-14.4	1947						
25	41.2	5.1	51.8	11.0	69	20.6	1976*	30.7	-0.7	13	-10.6	1947						
26	41.2	5.1	50.8	10.4	75	23.9	1946	31.6	-0.2	13	-10.6	1970						
27	42.0	5.6	52.8	11.6	73	22.8	1976*	31.2	-0.4	12	-11.1	1963						
28	43.1	6.2	53.5	11.9	82	27.8	1948	32.6	0.3	14	-10.0	1950*						
29	43.1	6.2	52.4	11.3	79	26.1	1976	33.9	1.1	22	-5.6	1956						
30																		
31																		
Monthly	37.6	3.1	46.7	8.2	82	27.8	1948	28.4	-2.0	0	-17.8	1965						

* ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

5725 DAILY AVERAGE/EXTREME TEMP MAR 1978

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

1945-1976

YEARS

MARCH

MONTH

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		MINIMUM TEMP		DATE
	° F	° C	° F	° C	° F	° C	° F	° C	
1	41.1	5.1	50.4	10.2	79	26.1	31.9	-0.1	1976
2	41.1	5.1	50.4	10.2	76	24.4	31.6	-0.1	1972
3	41.8	5.4	50.8	10.4	72	22.2	32.9	0.5	1966
4	42.5	5.8	52.0	11.1	80	26.7	33.0	0.6	1974*
5	43.5	6.4	53.3	11.8	82	27.8	33.7	0.9	1976
6	43.9	6.6	53.9	12.2	82	27.8	33.8	1.0	1961
7	43.3	6.3	52.4	11.3	79	26.1	34.2	1.2	1974
8	42.4	5.8	52.0	11.1	73	22.8	32.7	0.4	1968
9	41.1	5.1	51.1	10.6	76	24.4	31.1	-0.5	1968*
10	43.0	6.1	52.4	11.3	75	23.9	33.6	0.9	1955
11	42.9	6.1	52.1	11.2	78	25.6	33.7	0.9	1967
12	43.9	6.6	53.1	11.7	74	23.3	34.7	1.5	1973*
13	44.4	6.9	54.0	12.2	73	22.8	34.7	1.5	1976
14	45.0	7.2	55.4	13.0	80	26.7	34.5	1.4	1967
15	46.0	7.8	55.9	13.3	77	25.0	36.1	2.3	1973
16	45.0	7.2	54.5	12.5	88	31.1	35.4	1.9	1945
17	44.2	6.8	54.0	12.2	88	31.1	34.3	1.3	1945
18	42.2	5.7	50.4	10.2	77	25.0	33.9	1.1	1966
19	45.0	7.2	54.4	12.4	88	31.1	35.5	1.9	1945
20	46.5	8.1	56.1	13.4	84	28.9	36.9	2.7	1945
21	47.3	8.5	57.6	14.2	88	31.1	37.0	2.8	1948
22	47.4	8.6	57.1	13.9	88	31.1	37.8	3.2	1966
23	48.0	8.9	59.3	15.2	79	26.1	36.7	2.6	1966
24	48.3	9.1	59.9	15.5	75	23.9	36.7	2.6	1959
25	47.2	8.4	57.2	14.0	81	27.2	37.2	2.9	1959
26	48.9	9.4	59.3	15.2	79	26.1	38.4	3.6	1964
27	49.6	9.8	60.8	16.0	85	29.4	38.3	3.5	1949
28	50.0	10.0	61.5	16.4	85	29.4	38.0	3.3	1945
29	50.2	10.1	61.7	16.5	88	31.1	38.8	3.8	1945
30	50.0	10.0	58.9	14.9	88	31.1	41.1	5.1	1953
31	48.6	9.2	58.0	14.4	84	25.9	39.2	4.0	1945
Monthly	45.3	7.4	55.2	12.9	88	31.1	35.4	1.9	1966*

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

DAILY AVERAGE/EXTREME TEMPERATURES

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

STATION 13773 QUANTICO, VIRGINIA 1949-1976 APRIL MONTH
YEARS

DAY	MEAN TEMP		MAXIMUM TEMP			MINIMUM TEMP			DATE
	AVERAGE ° F	AVERAGE ° C	AVERAGE ° F	EXTREME ° F	EXTREME ° C	AVERAGE ° F	EXTREME ° F	EXTREME ° C	
1	51.0	10.6	63.0	79	26.1	39.0	3.9	-3.9	1959
2	53.4	11.9	65.1	93	33.9	41.7	5.4	-3.3	1963
3	53.1	11.7	64.7	92	33.3	41.3	5.3	-3.9	1963
4	51.1	10.6	61.7	86	30.0	40.3	4.7	-2.2	1956
5	51.5	10.8	62.6	84	28.9	40.4	4.7	-2.2	1956
6	51.5	10.8	61.2	86	30.0	41.7	5.4	-1.1	1947
7	51.8	11.0	63.8	81	27.2	39.8	4.3	-2.2	1954
8	51.5	10.8	61.8	88	31.1	41.2	5.1	-3.3	1959
9	51.8	11.0	62.9	90	32.2	40.7	4.8	-3.3	1959
10	51.7	10.9	63.4	85	29.4	40.1	4.5	-2.2	1955
11	52.1	11.2	63.0	81	27.2	41.3	5.2	-2.2	1950
12	53.6	12.0	63.5	83	28.3	43.7	6.5	0.0	1965
13	51.9	11.1	62.8	87	30.6	40.9	4.9	-1.7	1945
14	55.0	12.8	66.4	89	31.7	43.3	6.4	-4.4	1960
15	56.0	13.3	67.2	87	30.6	44.9	7.2	-0.6	1967
16	56.0	13.3	67.4	88	31.1	44.7	7.1	-1.1	1976
17	56.5	13.6	68.5	90	32.2	44.3	6.9	0.0	1964
18	59.2	15.1	71.5	91	32.8	46.8	8.2	-0.6	1964
19	60.0	15.6	71.9	92	33.3	48.7	9.3	2.8	1976
20	59.4	15.2	71.1	91	32.8	47.7	8.7	-0.6	1976
21	59.2	15.1	71.5	90	32.2	46.8	8.2	-0.6	1957
22	60.9	16.1	72.1	92	33.3	49.7	9.8	-0.6	1961
23	61.2	16.2	73.0	94	34.4	49.4	9.7	0.0	1952
24	60.2	15.7	69.9	92	33.3	50.4	10.2	1.7	1960
25	59.2	15.1	70.0	91	32.8	48.3	9.2	0.0	1960
26	60.4	15.8	71.2	88	31.1	49.6	9.8	3.3	1960
27	57.4	14.1	66.7	91	32.8	48.2	9.0	2.2	1967
28	58.0	14.4	67.7	90	32.2	48.3	9.1	1.1	1957
29	58.9	14.9	69.0	92	33.3	48.7	9.3	1.7	1974
30	61.0	16.1	71.4	91	32.8	50.0	10.0	-2.2	1974
31				94	34.4		7.1	-4.4	1960
Monthly	55.6	13.2	66.9		19.4	44.8			

* ALSO ON EARLIER YEARS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

5725 DAILY AVERAGE/EXTREME TEMP MAR 1976

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

1945-1976

YEARS

MAY

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP				MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME		AVERAGE		EXTREME		
	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C	DATE
1	61.9	16.6	71.5	21.9	67	30.6	52.4	11.3	40	4.4	1963
2	61.2	16.2	72.2	22.3	90	32.2	50.2	10.1	32	0.0	1945
3	60.7	15.9	71.3	21.8	90	32.2	50.0	10.0	38	3.3	1966*
4	59.8	15.4	71.2	21.8	93	33.9	48.3	9.1	32	0.0	1967*
5	60.0	15.6	72.6	22.6	88	31.1	47.4	8.6	35	1.7	1966
6	63.0	17.2	74.3	23.5	96	35.6	51.6	10.9	40	4.4	1945
7	61.2	16.2	72.2	22.3	92	33.3	50.1	10.1	35	1.7	1970
8	61.2	16.2	72.9	22.7	90	32.2	49.4	9.7	36	2.2	1970*
9	61.6	16.4	74.3	23.5	97	36.1	49.0	9.4	33	0.6	1947
10	64.0	17.8	75.3	24.1	95	35.0	52.8	11.6	33	0.6	1947
11	64.5	18.1	75.0	23.9	92	33.3	54.0	12.2	31	-0.6	1966
12	64.6	18.1	75.2	24.0	89	31.7	54.0	12.2	38	3.3	1969
13	64.1	17.8	74.9	23.8	95	35.0	53.3	11.8	42	5.6	1976*
14	64.3	17.9	74.1	23.4	92	33.3	54.4	12.4	41	5.0	1960
15	64.8	18.2	75.0	23.9	95	35.0	54.7	12.6	42	5.6	1951
16	66.0	18.9	76.5	24.7	89	31.7	55.6	13.1	40	4.4	1973
17	66.4	19.1	77.0	25.0	92	33.3	55.8	13.2	40	4.4	1956
18	66.7	19.3	77.0	25.0	94	34.4	56.5	13.6	39	3.9	1973
19	67.2	19.6	77.9	25.5	94	34.4	56.4	13.6	42	5.6	1976
20	66.9	19.4	76.5	24.7	90	32.2	57.4	14.1	42	5.6	1961*
21	67.0	19.4	76.5	24.7	88	31.1	57.5	14.2	40	4.4	1950
22	67.3	19.6	77.6	25.3	89	31.7	56.9	13.8	43	6.1	1950
23	67.8	19.9	78.1	25.6	96	35.6	57.5	14.2	40	4.4	1961
24	67.1	19.5	78.1	25.6	95	35.0	56.2	13.4	44	6.7	1945
25	67.2	19.6	77.3	25.2	89	31.7	57.1	13.9	39	3.9	1956
26	67.2	19.6	76.8	24.9	91	32.8	57.6	14.2	44	6.7	1956*
27	66.1	18.9	75.5	24.2	94	34.4	56.8	13.8	41	5.0	1961
28	65.9	18.8	75.3	24.1	89	31.7	56.5	13.6	31	-0.6	1961
29	67.5	19.7	76.7	24.9	94	34.4	58.2	14.6	46	7.8	1953*
30	68.0	20.0	77.8	25.4	94	34.4	58.2	14.6	46	7.8	1949
31	68.6	20.3	79.4	26.3	92	33.3	57.9	14.4	43	6.1	1961
Monthly	64.8	18.2	75.4	24.1	97	36.1	54.3	12.4	31	-0.6	1966*

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

5725 DAILY AVERAGE/EXTREME TEMP MAR 1978

13773

QUANTICO, VIRGINIA

1945-1976

JUNE

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP			MAXIMUM TEMP				EXTREME				MINIMUM TEMP			
	AVERAGE		°C	AVERAGE		°F	EXTREME		°C	AVERAGE		°F	EXTREME		DATE
	°F	°C		°F	°C		°F	°C		°F	°C				
1	69.7	20.9	80.1	26.7	91	32.8	1951	59.3	15.2	46	7.8	1966			
2	69.5	20.8	80.0	26.7	99	37.2	1951	59.0	15.0	48	8.9	1967*			
3	68.8	20.4	78.3	25.7	92	33.3	1951	59.4	15.2	43	6.1	1966*			
4	69.0	20.6	79.9	26.6	91	32.8	1973	58.1	14.5	48	8.9	1976*			
5	69.8	21.0	80.6	27.0	92	33.3	1973	59.0	15.0	46	7.8	1950*			
6	71.9	22.2	83.0	28.3	94	34.4	1952	60.8	16.0	46	7.8	1945			
7	72.1	22.3	82.6	28.1	90	32.2	1971*	61.6	16.4	43	7.2	1945			
8	72.2	22.3	82.7	28.2	92	33.3	1946	61.7	16.5	54	12.2	1972*			
9	72.9	22.7	83.0	28.3	95	35.0	1952	62.8	17.1	43	7.2	1949			
10	74.6	23.7	84.9	29.4	102	38.9	1964	64.2	17.9	52	11.1	1972*			
11	73.7	23.2	84.4	29.1	95	35.0	1959*	63.0	17.2	43	7.2	1972			
12	74.3	23.5	84.5	29.2	93	33.9	1976*	64.1	17.8	48	8.9	1952			
13	74.2	23.4	83.4	28.6	95	35.0	1956*	65.1	18.4	51	10.6	1950			
14	73.3	22.9	82.9	28.3	95	35.0	1956*	63.7	17.6	54	12.2	1970*			
15	72.8	22.7	82.4	28.0	100	37.8	1964	63.2	17.3	54	12.2	1953			
16	71.7	22.1	81.3	27.4	97	36.1	1957	62.0	16.7	52	11.1	1961*			
17	71.7	22.1	81.4	27.4	95	35.0	1952	62.0	16.7	50	10.0	1961*			
18	72.0	22.2	81.6	27.6	97	36.1	1957	62.3	16.9	50	10.0	1963			
19	73.3	22.9	83.4	28.6	97	36.1	1952	63.3	17.4	48	8.9	1954			
20	74.2	23.4	83.6	28.7	94	34.4	1964	64.8	18.2	51	10.6	1954			
21	75.0	23.9	84.7	29.3	95	35.0	1953	65.4	18.6	55	12.8	1968			
22	74.7	23.7	84.6	29.2	93	33.9	1965*	64.9	18.3	50	10.0	1963			
23	75.4	24.1	84.9	29.4	93	33.9	1965	65.9	18.8	54	12.2	1963			
24	76.6	24.8	87.2	30.7	97	36.1	1966*	65.9	18.8	52	11.1	1972			
25	77.3	25.2	87.8	31.0	99	37.2	1966*	66.8	19.3	59	15.0	1972*			
26	76.3	24.6	86.4	30.2	100	37.8	1952	66.3	19.1	55	12.8	1965			
27	76.7	24.8	87.0	30.6	97	36.1	1952	66.3	19.1	55	12.8	1965*			
28	75.9	24.4	86.0	30.0	98	36.7	1959	65.7	18.7	53	11.7	1970*			
29	76.3	24.6	86.6	30.3	98	36.7	1959*	66.0	18.9	54	12.2	1967			
30	78.2	25.7	88.8	31.6	100	37.8	1945	67.7	19.8	59	15.0	1974			
31															
Monthly	73.5	23.1	83.6	28.7	102	38.9	1964	63.4	17.4	43	6.1	1966*			

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION
13773

QUANTICO, VIRGINIA
STATION NAME

1949-1976

YEARS

JULY

MONTH

5725 DAILY AVERAGE/EXTREME TEMP MAR 1978

DAY	MEAN TEMP		AVERAGE		EXTREME		DATE		AVERAGE		EXTREME		DATE	
	° F	° C	° F	° C	° F	° C			° F	° C	° F	° C		
1	78.5	25.8	89.0	31.7	99	37.2	1945		67.9	19.9	59	15.0	1952	
2	77.7	25.4	88.7	31.5	98	36.7	1968*		66.7	19.3	49	9.4	1952	
3	78.0	25.6	88.3	31.3	98	36.7	1966		67.7	19.8	55	12.8	1957	
4	76.6	24.8	87.0	30.6	98	36.7	1966		66.3	19.1	58	14.4	1963*	
5	76.3	24.6	86.2	30.1	96	35.6	1955*		66.4	19.1	56	13.3	1967*	
6	76.0	24.4	85.7	29.8	97	36.1	1949		66.3	19.1	56	13.3	1951	
7	75.9	24.4	85.4	29.7	93	33.9	1966		66.3	19.1	57	13.9	1970	
8	75.9	24.4	85.6	29.8	94	34.4	1946		66.1	18.9	57	13.9	1960*	
9	75.7	24.3	85.2	29.6	94	34.4	1974*		66.2	19.0	53	11.7	1948	
10	76.3	24.6	85.2	29.6	95	35.0	1974		67.3	19.6	56	13.3	1961	
11	76.1	24.5	85.5	29.7	99	37.2	1966		66.7	19.3	57	13.9	1957	
12	75.7	24.3	85.2	29.6	95	35.0	1966*		66.3	19.1	51	10.6	1945	
13	77.0	25.0	86.9	30.5	99	37.2	1954		67.1	19.5	58	14.4	1963*	
14	77.9	25.5	86.9	30.5	100	37.8	1954		68.9	20.5	60	15.6	1953	
15	77.8	25.4	86.3	30.2	94	34.4	1958*		69.2	20.7	61	16.1	1960	
16	77.7	25.4	87.0	30.6	95	35.0	1953		68.4	20.2	59	15.0	1960	
17	77.5	25.3	87.2	30.7	96	35.6	1955*		67.9	19.9	54	12.2	1946	
18	78.2	25.7	87.7	30.9	99	37.2	1953		68.7	20.4	56	13.3	1946	
19	79.1	26.2	88.7	31.5	96	35.6	1969		69.3	20.8	60	15.6	1957	
20	78.5	25.8	87.7	30.9	94	34.4	1972*		69.3	20.7	61	16.1	1953	
21	77.5	25.3	87.3	30.7	98	36.7	1957		67.8	19.9	56	13.3	1965	
22	78.4	25.8	88.1	31.2	100	37.8	1952		66.7	20.4	56	13.3	1966	
23	78.5	25.8	87.7	30.9	100	37.8	1952		69.4	20.8	59	11.7	1947	
24	77.5	25.3	86.7	30.1	96	35.6	1976*		68.8	20.4	54	12.2	1947	
25	77.8	25.4	86.7	30.4	97	36.1	1968		68.8	20.4	60	15.6	1957*	
26	77.4	25.2	87.3	30.7	95	35.0	1958*		67.5	19.7	57	13.9	1976	
27	78.7	25.9	88.3	31.3	96	35.6	1963*		69.0	20.6	56	13.3	1946	
28	79.2	26.2	89.0	31.7	99	37.2	1952		69.4	20.8	54	12.2	1962	
29	77.7	25.4	86.7	30.4	96	35.6	1964*		68.8	20.4	57	13.9	1946	
30	77.6	25.3	87.3	30.7	99	37.2	1954		67.9	19.9	58	14.4	1946	
31	78.1	25.6	88.0	31.1	102	38.9	1954		68.1	20.1	55	12.8	1956	
Monthly	77.4	25.2	87.0	30.6	102	38.9	1954		67.9	19.9	49	9.4	1952	

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

5 DAILY AVERAGE/EXTREME TEMP MAR 1978

13773 STATION

QUANTICO, VIRGINIA STATION NAME

1945-1976 YEARS

AUGUST MONTH

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		AVERAGE		MINIMUM TEMP		DATE
	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C	
1	78.1	25.6	67.1	30.6	97	36.1	69.1	20.6	57	13.9	1966
2	77.6	25.3	66.7	30.4	97	36.1	68.6	20.3	57	13.9	1967
3	76.9	24.9	66.5	30.3	97	36.1	67.4	19.7	56	13.3	1965*
4	76.2	24.6	64.7	29.3	100	37.8	67.7	19.8	58	14.4	1965
5	76.0	24.4	64.4	29.1	94	34.4	67.4	19.7	54	12.2	1951
6	75.1	23.9	64.7	29.3	97	36.1	65.5	18.6	54	12.2	1951*
7	75.4	24.1	64.0	28.9	95	35.0	66.7	19.3	55	12.8	1950
8	76.3	24.6	65.6	29.8	93	33.9	67.0	19.4	58	14.4	1975*
9	77.2	25.1	66.9	30.5	96	35.6	67.5	19.7	56	13.3	1964
10	76.8	24.9	66.2	30.1	97	36.1	67.5	19.7	60	15.6	1972*
11	75.7	24.3	65.4	29.7	99	37.2	66.0	18.9	55	12.8	1972
12	75.3	24.1	65.4	29.7	97	36.1	65.2	18.4	56	13.3	1968
13	74.8	23.8	64.2	29.0	94	34.4	65.3	18.6	54	12.2	1964*
14	75.7	24.3	65.6	29.8	96	35.6	65.6	18.8	53	11.7	1950
15	76.4	24.7	66.2	30.1	97	36.1	66.7	19.3	50	10.0	1964
16	77.2	25.1	66.6	30.3	96	35.6	67.7	19.8	53	12.8	1963
17	76.8	24.9	65.2	29.6	95	35.0	68.4	20.2	61	16.1	1976*
18	75.8	24.3	64.4	29.1	94	34.4	67.2	19.6	58	14.4	1953
19	75.5	24.2	65.2	29.6	94	34.4	65.9	18.8	54	12.2	1953
20	75.6	24.2	65.3	29.6	98	36.7	65.8	18.8	51	10.6	1964
21	75.1	23.9	64.2	29.0	97	36.1	65.9	18.8	55	12.8	1949
22	75.6	24.2	64.4	29.1	95	35.0	66.7	19.3	56	13.3	1949
23	74.8	23.8	63.4	28.6	97	36.1	66.3	19.1	54	12.2	1952
24	74.0	23.3	63.3	28.5	96	35.6	64.7	18.2	50	10.0	1952
25	75.0	23.9	64.6	29.2	95	35.0	65.3	18.5	49	9.4	1952
26	75.6	24.2	66.2	30.1	98	36.7	65.0	18.3	50	10.0	1963
27	75.5	24.2	64.8	29.3	98	36.7	66.1	18.9	52	11.1	1945
28	76.2	24.6	65.7	29.8	97	36.1	66.6	19.2	52	11.1	1945
29	76.4	24.7	66.6	30.3	98	36.7	66.2	19.0	50	10.0	1965
30	76.6	24.8	67.3	30.7	101	38.3	65.9	18.8	52	11.1	1965
31	75.4	24.1	65.3	29.6	99	37.2	65.5	18.6	48	8.9	1946
Monthly	76.0	24.4	65.4	29.7	101	38.3	66.5	19.2	48	8.9	1946

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

1945-1976

YEARS

SEPTEMBER
MONTH

5725 DAILY AVERAGE/EXTREME TEMP MAR 1976

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		MINIMUM TEMP		DATE
	° F	° C	° F	° C	° F	° C	° F	° C	
1	74.8	23.8	84.4	29.1	97	36.1	48	8.9	1953
2	74.0	23.3	83.8	28.8	99	37.2	46	7.8	1953
3	73.9	23.3	83.7	28.7	97	36.1	49	9.4	1953
4	74.1	23.4	83.8	28.8	94	34.4	53	11.7	1946
5	73.8	23.2	83.7	28.7	97	36.1	52	11.1	1946
6	72.7	22.6	81.6	27.6	100	37.8	50	10.0	1962
7	72.0	22.2	81.1	27.3	105	40.6	50	10.0	1962
8	71.1	21.7	81.3	27.4	90	32.2	49	9.4	1962
9	71.5	21.9	81.2	27.3	93	33.9	50	10.0	1956*
10	71.6	22.0	81.7	27.6	92	33.3	45	7.2	1956*
11	70.6	21.4	80.8	27.1	92	33.3	44	6.7	1949
12	70.4	21.3	80.5	26.9	91	32.8	44	6.7	1967
13	69.8	21.0	80.1	26.7	96	35.6	48	8.9	1958*
14	70.1	21.2	80.3	26.8	94	34.4	43	6.1	1953
15	69.5	20.8	79.5	26.4	90	32.2	45	7.2	1946
16	69.4	20.8	78.9	26.1	90	32.2	46	7.8	1946
17	69.2	20.7	77.7	25.4	96	35.6	46	7.8	1966
18	68.8	20.4	77.6	25.3	90	32.2	47	8.3	1959
19	69.8	21.0	78.9	26.1	92	33.3	44	6.7	1959
20	68.5	20.3	77.1	25.1	90	32.2	43	6.1	1959
21	68.1	20.1	76.5	24.7	92	33.3	38	3.3	1956
22	66.7	19.3	75.9	24.4	92	33.3	41	5.0	1962
23	65.4	18.6	75.6	24.2	94	34.4	41	5.0	1947
24	64.3	17.9	74.3	23.5	91	32.8	39	3.9	1974*
25	65.2	18.4	75.6	24.2	91	32.8	40	4.4	1963*
26	65.7	18.7	75.1	23.9	91	32.8	43	6.1	1950
27	64.9	18.3	74.1	23.4	89	31.7	38	3.3	1947
28	64.5	18.1	73.5	23.1	88	31.1	38	3.3	1947
29	63.8	17.7	72.6	22.6	90	32.2	40	4.4	1951*
30	63.4	17.4	72.7	22.6	90	32.2	39	3.9	1951
31									
Monthly	69.3	20.7	78.8	26.0	105	40.6	38	3.3	1956*

* ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

5725 DAILY AVERAGE/EXTREME TEMP MAR 1978

STATION 13773 QUANTICO, VIRGINIA 1943-1976 YEARS MONTH OCTOBER

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		AVERAGE		EXTREME		MINIMUM TEMP		DATE
	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C	
1	62.7	17.1	72.2	22.3	85	29.4	53.3	11.8	34	1.1	34	1.1	1947
2	62.7	17.1	72.9	22.7	87	30.6	52.4	11.3	34	1.1	34	1.1	1947
3	62.4	16.9	73.0	22.8	88	31.1	51.7	10.9	34	1.1	34	1.1	1974
4	61.4	16.3	71.7	22.1	94	34.4	51.1	10.6	30	-1.1	30	-1.1	1974
5	62.6	17.0	73.4	23.0	93	33.9	51.9	11.1	35	1.7	35	1.7	1963
6	61.8	16.6	72.4	22.4	92	33.3	51.3	10.7	31	-0.6	31	-0.6	1963
7	61.2	16.2	71.1	21.7	83	28.3	51.2	10.7	38	3.3	38	3.3	1964*
8	60.7	15.9	70.3	21.4	84	28.9	50.9	10.5	33	0.6	33	0.6	1954
9	61.0	16.1	69.7	20.9	84	28.9	52.4	11.3	37	2.8	37	2.8	1953
10	60.4	15.8	70.2	21.2	86	30.0	50.5	10.3	35	1.7	35	1.7	1964
11	60.2	15.7	70.7	21.5	87	30.6	49.7	9.8	29	-1.7	29	-1.7	1964
12	60.5	15.8	71.5	21.9	88	31.1	49.4	9.7	29	-1.7	29	-1.7	1964
13	58.9	14.9	70.3	21.3	88	31.1	47.5	8.6	34	1.1	34	1.1	1957
14	60.2	15.7	70.9	21.6	87	30.6	49.4	9.7	35	1.7	35	1.7	1957
15	60.1	15.6	71.4	21.9	86	30.0	48.8	9.3	35	1.7	35	1.7	1943
16	59.2	15.1	69.6	20.9	82	27.8	48.8	9.3	34	1.1	34	1.1	1943
17	59.6	15.3	70.3	21.3	83	28.3	48.8	9.3	36	2.2	36	2.2	1961
18	58.2	14.6	68.7	20.4	80	26.7	47.8	8.8	35	1.7	35	1.7	1976*
19	56.0	13.3	65.8	18.8	83	28.3	46.1	7.8	30	-1.1	30	-1.1	1948
20	55.3	12.9	65.7	18.7	86	30.0	44.9	7.2	30	-1.1	30	-1.1	1952
21	55.2	12.9	66.2	19.0	83	28.3	44.1	6.7	28	-2.2	28	-2.2	1952
22	56.5	13.6	66.4	19.1	82	27.8	46.5	8.1	28	-2.2	28	-2.2	1952
23	57.9	14.4	68.7	20.4	88	31.1	47.0	8.3	30	-1.1	30	-1.1	1952
24	56.9	13.8	66.2	19.0	77	25.0	47.0	8.7	29	-1.7	29	-1.7	1969*
25	54.9	12.7	64.6	18.1	76	24.4	45.2	7.3	29	-1.7	29	-1.7	1964
26	53.2	11.8	63.2	17.3	76	24.4	43.2	6.2	31	-0.6	31	-0.6	1963*
27	53.5	11.9	64.0	17.8	77	25.0	43.1	6.2	30	-1.1	30	-1.1	1962
28	53.9	12.2	63.8	17.7	75	23.9	44.0	6.7	29	-1.7	29	-1.7	1976
29	54.8	12.7	64.5	18.1	80	26.7	45.2	7.3	28	-2.2	28	-2.2	1963
30	53.7	12.1	64.2	17.9	84	28.9	43.1	6.2	24	-4.4	24	-4.4	1952
31	55.1	12.8	65.6	18.7	85	29.4	44.6	7.0	30	-1.1	30	-1.1	1963
Monthly	58.4	14.7	68.7	20.4	94	34.4	48.1	8.9	24	-4.4	24	-4.4	1952

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

5725 DAILY AVERAGE/EXTREME TEMP MAR 1978

13773 STATION QUANTICO, VIRGINIA 1943-1976 YEARS MONTH NOVEMBER

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		AVERAGE		MINIMUM TEMP		DATE
	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C	
1	53.3	12.9	65.0	18.3	83	28.3	45.7	7.6	29	-1.7	1954
2	53.8	13.2	65.5	18.6	85	29.4	46.2	7.9	28	-2.2	1963
3	54.7	12.6	64.0	17.8	81	27.2	45.4	7.4	26	-3.3	1951
4	52.6	11.4	61.7	16.5	82	27.8	43.6	6.4	25	-3.9	1951
5	50.1	10.1	58.8	14.9	82	27.8	41.3	5.2	27	-2.8	1952*
6	49.2	9.6	59.3	15.2	77	25.0	39.0	3.9	24	-4.4	1967
7	47.9	8.8	58.5	14.7	72	22.2	37.4	3.0	26	-3.3	1973
8	49.3	9.6	59.4	15.2	82	27.8	39.2	4.0	25	-3.9	1960
9	48.9	9.4	59.4	15.2	76	24.4	38.4	3.6	24	-4.4	1951
10	48.0	8.9	57.8	14.3	75	23.9	38.2	3.4	27	-2.8	1961*
11	47.9	8.8	58.3	14.6	76	24.4	37.5	3.1	26	-3.3	1961*
12	48.5	9.2	58.6	14.8	77	25.0	38.3	3.5	20	-6.7	1957
13	49.2	9.6	59.5	15.3	79	26.1	38.9	3.8	26	-3.3	1957*
14	50.0	10.0	61.5	16.4	80	26.7	38.6	3.7	26	-3.3	1968*
15	48.4	9.1	58.5	14.7	78	25.6	38.4	3.6	27	-2.8	1967*
16	50.2	10.1	61.2	16.2	80	26.7	39.2	4.0	21	-6.1	1967
17	47.9	8.8	57.8	14.3	71	21.7	37.9	3.3	26	-3.3	1959
18	46.4	8.0	56.1	13.4	73	22.8	36.6	2.6	22	-5.6	1959
19	47.0	8.3	56.6	13.7	74	23.3	37.4	3.0	23	-5.0	1951
20	45.9	7.7	55.9	13.3	73	22.8	35.9	2.2	23	-5.0	1951
21	44.4	6.9	53.8	12.1	68	20.0	34.9	1.6	17	-8.3	1951
22	43.0	6.1	52.1	11.2	68	20.0	33.9	1.1	16	-8.9	1964
23	42.9	6.1	53.3	11.8	70	21.1	32.6	0.3	16	-8.9	1964
24	43.5	6.4	53.4	11.9	74	23.3	33.5	0.8	17	-8.3	1956
25	41.9	5.5	51.7	10.9	75	23.9	32.2	0.1	16	-8.9	1970
26	43.1	6.2	52.5	11.4	71	21.7	33.7	0.9	16	-8.9	1950
27	44.1	6.7	53.7	12.1	68	20.0	34.5	1.4	19	-7.2	1974
28	43.0	6.1	51.9	11.1	72	22.2	34.0	1.1	19	-7.2	1951
29	41.7	5.4	50.7	10.4	69	20.6	32.8	0.4	13	-10.6	1955
30	38.7	3.7	47.2	8.4	65	18.3	30.1	-1.1	17	-8.3	1976
31											
Monthly	47.3	8.5	57.1	13.9	85	29.4	37.5	3.1	13	-10.6	1955

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

15 DAILY AVERAGE/EXTREME TEMP MAR 1978

13773 STATION

QUANTICO, VIRGINIA

1945-1976

MONTH

YEARS

STATION NAME

DAY	MEAN TEMP		MAXIMUM TEMP			MINIMUM TEMP			DATE
	° F	° C	AVERAGE ° F	AVERAGE ° C	EXTREME ° F	EXTREME ° C	AVERAGE ° F	EXTREME ° F	DATE
1	38.1	3.4	47.9	8.8	67	19.4	28.3	-2.1	1946
2	38.5	3.6	48.3	9.1	73	22.8	28.7	-1.8	1970
3	40.6	4.8	50.1	10.1	72	22.2	31.1	-0.3	1950
4	42.9	6.1	52.2	11.2	68	20.0	33.6	0.9	1973*
5	42.3	5.7	51.9	11.1	67	19.4	32.8	0.4	1960
6	40.7	4.8	50.7	10.4	70	21.1	30.6	-0.8	1951
7	40.6	4.8	49.6	9.8	78	25.6	31.6	-0.2	1956
8	41.3	5.2	50.2	10.1	77	25.0	32.4	0.2	1966
9	39.5	4.2	47.3	8.5	73	22.8	31.7	-0.2	1951
10	39.0	3.9	47.2	8.4	70	21.1	30.7	-0.7	1946
11	37.5	3.1	45.4	7.4	68	20.0	29.7	-1.3	1971
12	38.0	3.3	45.1	7.3	65	18.3	31.0	-0.6	1946
13	38.4	3.6	45.9	7.7	65	18.3	30.9	-0.6	1949
14	37.0	2.8	44.6	7.0	62	16.7	29.5	-1.4	1948
15	35.5	1.9	42.6	5.9	71	21.7	28.3	-2.1	1971
16	35.6	2.0	44.1	6.7	75	23.9	27.1	-2.7	1971
17	36.1	2.3	45.3	7.4	60	15.6	26.9	-2.8	1971*
18	35.2	1.8	43.7	6.5	59	15.0	26.8	-2.9	1967
19	35.3	1.8	43.7	6.5	66	18.9	26.8	-2.9	1970
20	35.8	2.1	43.9	6.6	63	17.2	27.8	-2.3	1972
21	35.4	1.9	42.5	5.8	64	17.8	28.2	-2.1	1951
22	35.0	1.7	42.7	5.9	69	20.6	27.3	-2.6	1949
23	35.9	2.2	44.5	6.9	62	16.7	27.2	-2.7	1957
24	37.6	3.1	44.7	7.1	66	18.9	30.5	-0.8	1965
25	35.7	2.1	43.6	6.4	73	22.8	27.7	-2.4	1964
26	37.3	2.9	46.1	7.8	71	21.7	28.5	-1.9	1964
27	37.0	2.8	45.7	7.6	70	21.1	28.3	-2.1	1971
28	37.1	2.8	46.5	8.1	74	23.3	27.8	-2.3	1946
29	36.8	2.7	44.1	6.7	57	13.9	29.5	-1.4	1954
30	36.7	2.6	45.2	7.3	69	20.6	28.3	-2.1	1971
31	36.5	2.5	44.4	6.9	76	24.4	28.7	-1.8	1965
Monthly	37.7	3.2	46.1	7.8	78	25.6	29.3	-1.5	1956

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

EXTREME VALUES

MAXIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

13773 QUANTICO, VIRGINIA

STATION NAME

45-76

YEARS

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
45		65	88	87		100	99	93	92	81	80	53	
46		75		88	88		94	97	93	85	80	74	
47	72	54	68		91	94	94	97		88	66	62	
48	65	82	88	85	92	96	95	98	90	81	77	65	98
49	74	78	85	87	90	96	97	99	89		76	69	
50	80		82	81	93	97		93	90	86	64	72	
51	68	70	73	90	90	99	97		94	93	76	76	
52	75	61	84	92		100	100	92	96	87	70	58	
53	72	74	69	87	91	95	99	101	99	81	78	69	101
54	72	77	74	85	90	95	102	96	103	94	69	65	105
55	65	67	80	85	89	91	96	98	88	83	80	66	98
56	65	67	73	87	95	95	94	95	93	81	71	78	95
57	67	65	74	91	92	97	98	97	91	74	74	62	98
58	51	63	61	85	68	95	97	95	96	86	74	59	97
59	69	70	81	90		99	93	96	92		77	64	
60	64	65	81	94	87	90	94	95	91	82	75	67	95
61	56	73	82	88	86	91	95	92	92	83	77	66	95
62	63	63	80	90	95	95	94	94	95	88	69	64	95
63	64	61	88	93	97	97	96	96	90	85	73	57	97
64	63	60	79	91	96	102	96	94	94	76	79	73	102
65	65	72	74	83	94	95	94	93	92	78	77	76	95
66	71	63	88	88	93	99	99	93	95	80	76	77	99
67	78	69	80	88	86	95	92	92	84	87	71	64	95
68	58	54	80	88	86	97	98	97	88	85	60	68	98
69	61	52	68	83	94	96	96	93	91	86	69	59	96
70	63	65	66	83	90	93	93	94	94	85	67	73	94
71	56	72	70	85	90	91	92	92	88	80	85	75	92
72	64	69	76	89	83	87	97	93	92	80	78	65	97
73	63	64	77	88	84	94	95	94	93	84	78	68	95
74	74	72	80	92	92	93	95	92	90	79	82	65	95
MEAN													
S. D.													
TOTAL OBS.													

5223 Extreme Values Jan 1969

MAXIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

STATION	STATION NAME	YEARS
13773	QUANTICO, VIRGINIA	45-76

YEARS

WHOLE DEGREES FAHRENHEIT

[illegible]

NAVWEASERVCOM

MAXIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

13773	QUANTICO, VIRGINIA	45-76
STATION	STATION NAME	YEARS

YEARS

WHOLE DEGREES FAHRENHEIT
/BASED ON LESS THAN FULL MONTHS/

[illegible]

NAVWEASERVCOM

DIR

EXTREME VALUES

MINIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

13773 QUANTICO, VIRGINIA
STATION NAME

45-76

YEARS

WHOLE DEGREES FAHRENHEIT

5723 Extreme Values Jan 1969

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
45		12	27	28		45	51	52	53	34	22	11	
46		17		32	40		54		45	38	25	14	
47	10	6	18			46		57		30	25	18	
48		10	14	30		51	53		44		31	12	
49	18	18	23	33	42	43	65	53	44		22	13	
50	18		10		34	46		53	40	33	16	10	
51	11	8	25	31	42	54	56		39	38	17	4	
52	10	18	23	31		48	49	49	45	24	23	14	
53	21	17	24	31	46	48	57	54	41	34	25	10	10
54	11	15	20	27	36	48	58	55	48	33	26	14	11
55	4	8	22	34	44	53	65	62	48	33	13	13	4
56	16	19		27	39	49	55	56	38	35	17	24	
57	1-	22	26	31	39	55	55	54	39	30	20	12	1-
58	11	5	28	33	46	52	65	57	47	38	18	5	5
59	2	14	21	34		50	57	56	43		22	19	
60	15	14	8	28	38	52	57	59	49	31	25	5	5
61	5-	6	22	26	31	50	56	54	43	33	26	15	5-
62	8	14	16	30	39	56	54	57	41	30	27	5	5
63	6	6	24	30	38	50	56	50	39	32	26	6	6
64	3	21	21	26	46	48	58	50	44	29	16	13	3
65	4	0	14	25	48	49	56	50	46	28	22	20	0
66	7	2	23	31	31	43	56	56	46	32	26	14	2
67	16	9	12	34	32	48	56	58	44	33	21	17	9
68	2	7	19	33	39	54	57	53	47	31	26	12	2
69	13	21	24	30	38	55	65	57	45	29	22	19	13
70	2	12	24	32	35	53	57	60	45	38	16	18	2
71	10	4	23	31	40	58	60	55	50	43	27	21	4
72	3	14	21	25	43	45	60	55	48	30	24	20	3
73	17	11	28	32	39	54	59	60	51	38	26	13	11
74	22	15	26	31	37	56	58	58	39	30	19	24	15
MEAN													
S. D.													
TOTAL OBS.													

MINIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

QUANTICO, VIRGINIA

13773

STATION NAME

YEARS

WHOLE DEGREES FAHRENHEIT

[illegible]

MINIMUM TEMPERATURE
FROM DAILY OBSERVATIONS

FROM DAILY OBSERVATIONS)

45-76

STATION	STATION NAME
13773	QUANTICO, VIRGINIA

STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE	STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE
STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE	STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE

YEARS

WHOLE DEGREES FAHRENHEIT
/BASED ON LESS THAN FULL MONTHS/

[illegible]

NAVWEASERVCOM

5723 Extreme Values Jan 1969

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PSYCHROMETRIC SUMMARY

13773 STATION QUANTICO, VIRGINIA 73-77 YEARS JAN MONTH

PAGE 1
HOURS (L.S.T.)

57 6

PSYCHROMETRIC SUMMA

JAN 68

1000

1000

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL		Dew Point													
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb																
76/ 75									.1									1	1																	
74/ 73								.1	.1									2	2																	
72/ 71					.1	.1		.1		.1								4	4																	
70/ 69								.2										2	2																	
68/ 67																		1	1																	
66/ 65						.1			.1									1	1	2																
64/ 63			.1		.1													2	2	1																
62/ 61		.1		.2	.2	.1	.1	.1										7	7	2																
60/ 59				.1	.1	.2	.2	.2										6	6	3																
58/ 57	.2	.2	.1	.2	.2	.1	.2	.2										12	12	4																
56/ 55	.1	.3	.1	.1	.3	.2	.3	.3										14	14	8																
54/ 53		.4	.4	.5	.1	.1	.1	.1										16	16	9																
52/ 51	.2	.3	.7	.3	.2													17	17	16																
50/ 49	.1	.5	.7	.7	.1	.4		.1										28	28	12																
48/ 47	.2	1.1	1.0	.2	.2	.7	.7	.1										42	42	27																
46/ 45	.5	1.7	1.2	.8	.5	.5	.3											53	53	37																
44/ 43	.7	2.2	1.3	1.6	.5	.5												72	72	47																
42/ 41	.7	2.3	1.5	1.2	.5													67	67	56																
40/ 39	.7	3.5	1.8	1.4	.6													85	85	69																
38/ 37	1.4	3.5	1.7	2.1	.3													96	96	98																
36/ 35	1.6	3.7	3.1	1.4	.2													107	107	113																
34/ 33	.8	2.9	2.3	1.2	.4													82	82	78																
32/ 31	.7	2.5	1.6	1.0	.4													66	66	102																
30/ 29	.5	2.2	2.1	1.0	.2													65	65	71																
28/ 27	.3	2.5	1.6	1.6														64	64	65																
26/ 25	.4	1.6	1.4	.5														41	41	59																
24/ 23	.1	.7	1.3	.6														29	29	46																
22/ 21		1.2	1.2	.2														28	28	40																
20/ 19		1.0	.6															17	17	38																
18/ 17	.2	1.1	.8															23	23	27																
16/ 15		.5	.1															6	6	18																
14/ 13		.3	.2															5	5	9																
12/ 11		.3	.1															4	4	6																
10/ 9		.2																2	2	2																
Element (X)	$\sum X^2$																		\bar{X}		σ_x		No. Obs.		Mean No. of Hours with Temperature											
Rel. Hum.																							≥ 0 F		≥ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total	
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				

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PSYCHROMETRIC SUMMARY

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

73-77

5073A

JAN
MONTH

PAGE 2
HOURS (L)

05 PSYCHROMETRIC SUMMARY JAN 68

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL	
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
8 / 7		.2																2	2	3	25
6 / 5		.1																1	1	2	27
4 / 3		.1																1	1		18
2 / 1		.1																1	1	1	11
0 / - 1																				1	5
- 2 / - 3																					4
- 4 / - 5		.1																1	1	1	4
- 6 / - 7																					3
- 10 / - 11																					1
- 16 / - 17																					1
- 26 / - 27																					1
TOTAL	9.1	37.5	26.9	16.9	5.3	2.6	1.2	.3	.1	.1								1073	1073	1073	1073

2

1478 2007 84321

PSYCHROMETRIC SUMMARY

13773 STATION QUANTICO, VIRGINIA 73-77 YEARS FEB MONTH PAGE 1 HOURS (L.S.T.)

13773 5 PSYCHROMETRIC SUMMARY JAN 68

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL							
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point							
80/ 79													.1					1	1									
78/ 77									.1									1	1									
76/ 75									.1									1	1									
74/ 73									.1		.1							3	3									
72/ 71									.1	.1	.1							5	5									
70/ 69									.1	.1	.1							6	6									
68/ 67					.1	.1			.1	.1	.1							7	7									
66/ 65					.1	.1			.1	.1	.1							6	6									
64/ 63		.1	.1		.1	.1	.1	.1	.1	.1	.1							8	8									
62/ 61	.1	.1	.2	.1	.1	.1	.1	.1	.1	.1	.1							15	15	6								
60/ 59	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1							23	23	7	3							
58/ 57	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1							22	22	9	2							
56/ 55	.2	.3	.6	.5	.5	.5	.3	.4	.1									29	29	18	9							
54/ 53	.1	.4	.6	.5	.8	.7	.6											37	37	19	9							
52/ 51	.4	.2	.2	.5	1.2	.5	.2											28	28	29	12							
50/ 49	.1	.2	.2	.7	1.2	1.0	.2											36	36	28	19							
48/ 47	.1	.5	.5	.8	1.2	.7	.2											38	38	29	16							
46/ 45	.6	.9	1.1	1.4	.6	.4	.2											51	51	37	26							
44/ 43	.7	.9	1.5	.8	1.1	.3	.3											52	52	56	23							
42/ 41	.4	1.0	1.5	1.5	.7	.4	.1											56	56	59	25							
40/ 39	.3	1.2	1.5	1.7	1.5	.1	.1											60	60	58	41							
38/ 37	.5	1.7	2.1	1.2	.8	.1	.1											63	63	63	36							
36/ 35	1.0	3.1	2.9	1.5	.2	.2	.2											84	84	69	59							
34/ 33	.7	3.2	2.0	.8	.3	.1	.1											68	68	87	59							
32/ 31	.9	2.3	2.7	1.6	.1													73	75	100	91							
30/ 29	.4	2.4	2.2	1.6														63	63	66	62							
28/ 27		2.1	1.1	.4														35	35	59	70							
26/ 25	.4	1.6	1.4	.2														34	34	62	72							
24/ 23	.2	.4	1.1	.1														18	18	31	62							
22/ 21	.5	.5	.8	.1														14	14	21	43							
20/ 19	.1	.3	.2															6	7	18	38							
18/ 17	.1	.6	.2															9	9	14	43							
16/ 15		.3	.2															5	5	7	25							
14/ 13		.1	.1															2	2	5	31							
Element (X)	ΣX																		\bar{X}		σ_x		No. Obs.		Mean No. of Hours with Temperature			
Rel. Hum.																									Total			
Dry Bulb																												
Wet Bulb																												
Dew Point																												

Total

Mean No. of Hours with Temperature

≤ 0 F

≤ 32 F

≤ 67 F

≥ 73 F

≥ 80 F

≥ 93 F

Total

PSYCHROMETRIC SUMMARY

13773 QUANTICO, VIRGINIA STATION NAME 73-77 YEARS FEB MONTH

PAGE 2
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL		Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb		
12/ 11		.1	.1															2	2	1	22	
10/ 9																				2	24	
8/ 7																				1	13	
6/ 5																					6	
4/ 3																					3	
2/ 1																					5	
0/- 1																					7	
-4/- 5																					3	
-6/- 7																					1	
-8/- 9																					1	
-12/-13																					1	
TOTAL	7.725	0.25	0.61	1.9	6.6	3.6	1.8	.5	.4	.1	.1	.1	.1					961	964	961	961	

Mean No. of Hours with Temperature

Element (X)	$\sum X^2$	$\sum X$	\bar{X}	σ_x	No. Obs.	≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4522223	63223	65.8	19.434	961							
Dry Bulb	1699668	38876	40.3	11.702	964		184.0	16.7	4.2			672.0
Wet Bulb	1329134	34462	35.9	9.858	961		270.6					672.0
Dew Point	921742	27520	28.6	11.799	961	9.1	435.6					672.0

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PSYCHROMETRIC SUMMARY

13773

QUANTICO, VIRGINIA

73-77

MAR

YEARS

PAGE 1
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL								
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point						
84/ 83								.1	.1									2	2								
80/ 79							.2	.1	.1	.1								4	4								
78/ 77							.1	.1	.1									3	3								
76/ 75							.1	.1	.2									4	4								
74/ 73					.1	.1	.1	.2										4	4								
72/ 71					.2	.3	.2	.2	.1	.1								3	3								
70/ 69				.1	.2	.8	.3	.2	.1									17	17	1							
68/ 67				.3	.1	.5	.2	.2	.2	.5	.1							13	13	3							
66/ 65			.5	.3	.3	.2	.3	.2	.3	.2	.1							24	24	6							
64/ 63		.3	.4	.2	.6	.2	.3	.6	.2	.2								25	25	9							
62/ 61		.3	.3	.4	.4	.9	.5	.5	.2	.1								36	36	17							
60/ 59		.7	.3	.9	.4	.7	.2	.1	.2									35	35	27							
58/ 57	.1	1.1	.8	.8	.7	.6	.4	.3										49	49	27							
56/ 55	.3	.8	1.4	.5	1.5	1.2	.2	.2	.1									65	65	33							
54/ 53	.6	1.5	.9	1.2	1.0	.9	.4	.3										72	72	46							
52/ 51	.8	2.7	1.2	1.4	1.0	.9	.5											91	92	75							
50/ 49	.8	2.0	.8	1.3	1.6	.7	.1											76	76	79							
48/ 47	1.1	2.8	1.1	1.4	1.5	.7	.2											94	94	90							
46/ 45	.8	2.3	.9	1.3	.6	.6	.1											69	69	101							
44/ 43	.4	1.6	1.4	1.4	.9	.3												64	64	74							
42/ 41	.5	2.1	1.0	1.4	.9	.2												65	65	81							
40/ 39	.3	1.5	1.3	.9	.9													52	52	83							
38/ 37	.7	2.0	.9	1.4	.1													54	54	65							
36/ 35	.5	1.7	1.3	.9	.1													47	47	79							
34/ 33	.7	.7	.7	.8	.2													31	31	47							
32/ 31	.7	.7	.9	.4	.1													21	22	44							
30/ 29		.4	.9	.1														14	14	20							
28/ 27		.2	.3	.2														7	7	24							
26/ 25		.1																1	1	12							
24/ 23		.2	.2															4	4	31							
22/ 21	.1	.2																3	3	5							
20/ 19																				3							
18/ 17																				26							
16/ 15																				24							
12																				12							
Element (X)	ΣX																	\bar{X}		σ_x		No. Obs.		Mean No. of Hours with Temperature		Total	
Rel. Hum.																											
Dry Bulb																											
Wet Bulb																											
Dew Point																											

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PSYCHROMETRIC SUMMARY

13773 QUANTICO, VIRGINIA 73-77 APR MONTH
 1975 PSYCHROMETRIC SUMMARY JAN 68

PAGE 1
 HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL		Dew Point											
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb														
92/ 91															.1			.1	4	4														
90/ 89																.1		.1	3	3														
88/ 87																	.1	.3	5	5														
86/ 85																	.2	.2	7	7														
84/ 83																	.1	.2	6	6														
82/ 81																	.2	.3	9	9														
80/ 79																	.6	.2	15	15														
78/ 77																	.1	.1	14	14														
76/ 75																	.1	.2	22	22														
74/ 73																	.4	.1	20	20														
72/ 71																	.3	.5	30	30	5													
70/ 69																	.6	.3	42	42	9													
68/ 67																	.4	.4	40	40	16													
66/ 65																	.3	.2	46	46	38													
64/ 63																	.5	.1	48	48	50													
62/ 61																	.9	.2	55	55	45													
60/ 59																	.7	.5	53	53	49													
58/ 57																	.4	.1	55	55	41													
56/ 55																	.7	.1	57	57	46													
54/ 53																	.9	.2	73	73	66													
52/ 51																	.7	.9	83	83	79													
50/ 49																	.6	.6	65	65	70													
48/ 47																	.7	.1	52	52	74													
46/ 45																	.8	.1	50	50	87													
44/ 43																	.3	.4	33	33	73													
42/ 41																	.2	.2	33	33	70													
40/ 39																	.7	.1	29	29	52													
38/ 37																	.3	.1	25	25	37													
36/ 35																	.5	.3	18	18	33													
34/ 33																	.1	.2	15	15	37													
32/ 31																	.5	.1	2	2	20													
30/ 29																	.1	.1	8	8	42													
28/ 27																			4	4	40													
26/ 25																					30													
Element (X)	Σ X																		Σ X ²		Mean No. of Hours with Temperature												Total	
Rel. Hum.																					≥ 0 F												≥ 93 F	
Dry Bulb																					≥ 32 F													
Wet Bulb																					≥ 67 F													
Dew Point																					≥ 73 F													

APR
MONTH

YEARS

73-77

QUANTICO, VIRGINIA

13773
STATION

PAGE 2
HOURS (L.S.T.)

[illegible]

PSYCHROMETRIC SUMMARY

13773 QUANTICO, VIRGINIA STATION NAME 73-77 YEARS MAY MONTH

PAGE 1
HOURS (L.S.T.)

5565 PSYCHROMETRIC SUMMARY JAN 68

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL														
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
92/ 91										.1								2	2																
90/ 89																		1	1																
88/ 87								.1	.2									4	4																
86/ 85								.2	.2	.1								8	8	1															
84/ 83					.1	.1		.3	.5	.3	.1							16	16	1	1														
82/ 81					.1	.5		.5	.4	.2	.1		.1					19	19		1														
80/ 79			.3	.8	.6	.7	.5	.3	.3	.4	.2	.1						39	39																
78/ 77		.1	.1	.4	.5	.3	.5	.5	.5	.4	.2	.1	.1					32	32	2															
76/ 75			.5	1.0	1.2	.7	.6	.6	.6	.1	.6	.2						55	55	11	1														
74/ 73		.2	1.1	1.3	.8	.7	.5	.1	.7	.2								56	56	23	8														
72/ 71		.9	1.2	.3	.8	.9	1.2	.2	.2	.1								58	58	32	14														
70/ 69		1.3	1.4	1.3	1.0	.4	1.0	.9	.3	.2								78	78	59	32														
68/ 67	.2	1.7	1.5	1.0	.8	1.2	.9	.4	.3									80	80	62	52														
66/ 65	.1	2.5	1.6	.8	1.7	1.1	.6	.3	.1									88	88	79	58														
64/ 63	.4	3.5	2.0	1.1	.8	.5	.3	.2	.1									89	89	85	63														
62/ 61	.5	1.5	.7	1.1	.7	.4	.7	.3										59	59	85	77														
60/ 59	.4	2.3	1.0	1.3	.6	.8	.3	.1										68	68	91	79														
58/ 57	.4	1.3	1.7	1.3	.5	.4	.1											57	57	88	68														
56/ 55	.4	2.7	1.4	.6	.5	.7												63	63	87	51														
54/ 53		1.5	.4	.7	.1	.5												32	32	80	75														
52/ 51	.3	1.2	.3	.2	.4	.2												26	26	62	90														
50/ 49	.2	1.5	.1	.2	.2													22	22	48	59														
48/ 47		.7	.4	.2	.4													17	17	31	60														
46/ 45	.4	.4	.5	.4														17	17	27	41														
44/ 43	.2	.1																3	3	19	56														
42/ 41	.1	.5	.1	.1														8	8	12	23														
40/ 39		.2																2	2	11	24														
38/ 37	.1																	1	1	3	18														
36/ 35																				1	15														
34/ 33																					19														
32/ 31																					10														
30/ 29																					3														
28/ 27																					2														
Element (X)	$\sum X^2$																		$\sum X$		\bar{X}	σ_x	Mean No. of Hours with Temperature											Total	
Rel. Hum.																																			
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

PSYCHROMETRIC SUMMARY

5 1975

PSYCHROMETRIC SUMMARY

JAN 68

1975

1975

JUN
MONTH

PAGE 1
HOURS (L.S.T.)

YEARS

73-77

QUANTICO, VIRGINIA
STATION NAME

13773
STATION

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL D.B./W.B.	Wet Bulb	Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31						
94/ 93									.1	.1	.1							3	3				
92/ 91								.2	.3	.4	.1							10	10				
90/ 89								.1	.3	.6	.6	.3	.1					28	28				
88/ 87								.7	.7	.8	.4	.3						29	29				
86/ 85				.1	.2	.5	.9	.7	.3	.4	.2							33	33				
84/ 83				.3	1.3	2.0	1.6	.4	.8	.2	.1							63	63				
82/ 81				.2	1.9	1.5	.7	.8	.4									54	54				
80/ 79		.1	.3	1.5	2.1	1.1	.6	.5	.4									63	63	5			
78/ 77		.3	1.2	1.8	2.5	.5	1.3	.7	.3									82	82	26			
76/ 75		.7	3.0	2.6	1.2	.3	.5	.5	.3	.2								90	90	52			
74/ 73		1.9	2.2	1.3	1.2	.8	.6	.4										80	80	125			
72/ 71	.2	3.5	2.6	1.6	.9	.6	.8	.1	.1									100	100	117			
70/ 69		4.0	2.3	1.6	.7	.2	.1	.1										86	86	147			
68/ 67	.2	2.4	2.4	.9	.2	.3	.2											64	64	107			
66/ 65	.3	2.4	1.6	1.4	.3	.1	.1											59	59	106			
64/ 63	.1	1.6	1.3	.4	.2													34	34	77			
62/ 61		1.8	1.2	.1														29	29	63			
60/ 59	.2	1.4	.2	.7	.1													25	25	66			
58/ 57	.1	.4	.2	.2														9	9	32			
56/ 55	.2	.4	.1															7	7	10			
54/ 53																				11			
52/ 51				.1														1	1	4			
50/ 49			.1															1	1	14			
48/ 47																		1	1	2			
46/ 45																				1			
44/ 43																				3			
40/ 39																				1			
TOTAL	1.421	0.18	7.14	8.12	8.8	8.8	8.8	6.4	4.3	2.0	.7	.1						951	951	951			

Element (X)	Mean No. of Hours with Temperature										Total
	ΣX ²	ΣX	X̄	σ _x	No. Obs.	≥ 73 F	≥ 67 F	≥ 62 F	≥ 58 F	≥ 53 F	
Rel. Hum.	5237973	69213	72.8	16.245	951						720.0
Dry Bulb	5297870	70566	74.2	8.061	951						720.0
Wet Bulb	4373012	64262	67.6	5.678	951						720.0
Dew Point	3939099	60903	64.0	6.391	951						720.0

Mean No. of Hours with Temperature

No. Obs.

σ_x

\bar{x}

Σx

Σx^2

Element (X)

Rel. Hum.

Dry Bulb

Wet Bulb

Dew Point

	≥80 F	≥73 F	≥67 F	≥59 F	≥50 F	≥40 F	≥30 F	≥20 F	≥10 F	≥0 F	≥-10 F	≥-20 F	≥-30 F	≥-40 F	≥-50 F	≥-60 F	≥-70 F	≥-80 F	≥-90 F	≥-100 F	Total
Rel. Hum.																					
Dry Bulb																					
Wet Bulb																					
Dew Point																					

NAWWEASERVCOM

PSYCHROMETRIC SUMMARY

13773

STATION

QUANTICO, VIRGINIA

STATION NAME

73-77

YEARS

AUG

MONTH

PAGE 1

HOURS (L.S.T.)

5800

PSYCHROMETRIC SUMMARY

JAN 68

5800

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL	
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
96/ 95							.1	.2	.1		.1							5	5			
94/ 93							.1	.6	.6	.4								13	18			
92/ 91							.1	.8	.8				.1					17	17			
90/ 89							.1	.9	.8	.2								28	28			
88/ 87				.1	.1	.1	1.3	2.0	.4	.3	.2	.1						43	45			
86/ 85			.1	.2	.2	1.6	2.2	1.1	1.0	.4	.1							67	67			
84/ 83			.2	.9	2.0	1.7	.6	.1	.3	.3								61	61	2		
82/ 81		.1	.3	2.0	1.6	1.0	1.0	.4	.3									67	67	7	1	
80/ 79		.5	1.1	2.0	1.1	1.0	.3	.6	.4									70	70	26	6	
78/ 77		1.2	2.8	2.7	1.2	.8	.5	.2										94	94	82	16	
76/ 75	.1	3.6	2.2	2.8	1.0	.7	.3	.1	.1	.1	.1							109	109	137	49	
74/ 73	.1	6.1	4.1	1.1	.2	.8	.1			.1								124	124	161	133	
72/ 71	.4	6.3	2.4	.6	.4		.1											101	101	161	155	
70/ 69	.1	5.1	1.3	.5	.4													73	73	167	195	
68/ 67		2.5	1.5	.4														44	44	97	129	
66/ 65		1.3	.6	.5				.1										25	25	69	101	
64/ 63		.8	.2	.2														12	12	38	55	
62/ 61		.4	.3	.1														8	8	23	37	
60/ 59		.4	.1			.2												7	7	13	38	
58/ 57		.5																5	5	8	28	
56/ 55		.1																1	1	6	18	
54/ 53		.2																2	2	2	10	
52/ 51																				4	6	
50/ 49																				1	1	
48/ 47																				3	3	
46/ 45																				2	2	
42/ 41																						
TOTAL	.729	.217	.414	.310	.110	.4	7.3	5.5	3.4	1.3	.3	.1						983	983	983	983	

Element (X)	Σ X ²	Σ X	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature							Total
Rel. Hum.	5929327	74831	76.1	15.397	983	≥ 73 F	≥ 67 F	≥ 32 F	≥ 0 F	≥ 93 F	Total		
Dry Bulb	5877505	75661	77.0	7.409	983	698.6	533.6	261.1	17.4	744.0			
Wet Bulb	4975832	69766	71.0	4.980	983	620.6	299.0	14.4	744.0	744.0			
Dew Point	4593613	66975	68.1	5.562	983	517.7	213.4	15.3	744.0	744.0			

NAWWEASERVCOM

PSYCHROMETRIC SUMMARY

13773

QUANTICO, VIRGINIA

73-77

SEP

YEARS

1955

STATION

STATION NAME

73-77

SEP

1955

PAGE 1
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL		Dew Point
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb			
94/ 93																		1	1				
92/ 91																		1	1				
90/ 89																		8	8				
88/ 87																		10	10				
86/ 85																		19	19				
84/ 83																		19	19	1			
82/ 81																		36	36				
80/ 79																		41	41	12			
78/ 77																		44	44	9			
76/ 75																		69	69	31			
74/ 73																		77	77	50			
72/ 71																		85	85	64			
70/ 69																		91	91	98			
68/ 67																		97	97	90			
66/ 65																		82	82	115			
64/ 63																		48	48	104			
62/ 61																		47	47	89			
60/ 59																		42	42	64			
58/ 57																		21	21	56			
56/ 55																		15	15	35			
54/ 53																		26	26	22			
52/ 51																		5	5	19			
50/ 49																		4	4	14			
48/ 47																		8	8	12			
46/ 45																		2	2	10			
44/ 43																		2	2	3			
42/ 41																		1	1	1			
40/ 39																				2			
38/ 37																				3			
36/ 35																				3			
34/ 33																				1			
30/ 29																				1			
TOTAL	2.831	7.17	11.4	4	9.9	10.8	7.0	3.9	1.7	0.3	0.3	0.1						901	901	901			
Element (X)	ΣX ²	ΣX	ΣX	ΣX	ΣX	ΣX	ΣX	ΣX	ΣX	ΣX	ΣX	ΣX	ΣX	ΣX	ΣX	ΣX	ΣX	ΣX	ΣX	ΣX			
Rel. Hum.	5510419	68951	76.5	16.117	901	901	901	901	901	901	901	901	901	901	901	901	901	901	901	901			
Dry Bulb	4429530	62704	69.6	8.545	901	901	901	901	901	901	901	901	901	901	901	901	901	901	901	901			
Wet Bulb	3768578	57914	64.3	7.150	901	901	901	901	901	901	901	901	901	901	901	901	901	901	901	901			
Dew Point	3428083	55081	61.1	8.219	901	901	901	901	901	901	901	901	901	901	901	901	901	901	901	901			
Total																							

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

13773

QUANTICO, VIRGINIA

73-77

YEARS

OCT

MONTH

PAGE 1

HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		Dew Point
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Wet Bulb	
86/ 85										.2	.1							3	3	
84/ 83									.1									1	1	
82/ 81							.3		.2	.1	.2	.1						3	3	
80/ 79								.1	.1	.5	.2	.1						9	9	
78/ 77								.3	.2	.3	.1	.1						13	13	
76/ 75				.2	.2	.2	.4	.5	.3	.2	.1	.3						17	17	
74/ 73			.1	.2	.7	1.2	.9	.9	.3	.2	.1							44	44	4
72/ 71			.8	.7														44	44	
70/ 69		.7	.8	1.0	.8	.5	.5	.3	.2									44	44	16
68/ 67		1.9	1.0	1.0	1.4	.7	.5	.4	.1									64	64	23
66/ 65	.1	2.3	1.1	1.3	.9	.4	.7	.2	.3									67	67	48
64/ 63	.2	2.9	1.7	.7	.3	1.6	.9	.1										78	78	63
62/ 61	.1	2.9	1.3	1.2	1.3	.3	.9											74	74	78
60/ 59	.2	3.4	1.0	.4	.4	.4	.3											57	58	82
58/ 57	.4	2.0	1.9	.7	.5	.9	.2											60	60	77
56/ 55	.1	2.1	.9	1.3	.7	.7	.2	.1										55	55	64
54/ 53	.3	1.5	1.5	1.4	.8	.3	.2											56	56	65
52/ 51	.2	2.1	1.1	.4	.8	.1	.1											42	42	43
50/ 49	.2	3.2	1.3	.7	.2	.7	.1											58	58	73
48/ 47	.2	1.7	1.0	.2	.3	.3												35	35	66
46/ 45	.1	1.6	.9	.5	.2													31	31	52
44/ 43	.2	1.2	.4	.3	.3													23	23	40
42/ 41	.2	.9	.3	.2	.5													20	20	25
40/ 39		1.3	.1	.3														16	16	29
38/ 37		.4	.3	.2														9	9	19
36/ 35		.8	.2															9	9	13
34/ 33		.4	.3	.2														9	9	14
32/ 31		.7	.1	.1														8	8	11
30/ 29		.3																3	3	7
28/ 27																				5
26/ 25																				14
24/ 23																				7
22/ 21																				6
20/ 19																				5
Element (X)	ΣX ²			ΣX			\bar{X}	σ_X	No. Obs.			Mean No. of Hours with Temperature					Total			
Rel. Hum.																				
Dry Bulb																				
Wet Bulb																				
Dew Point																				

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MONTH

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JAN 68

PAGE 2
HOURS (L.S.T.)

[illegible]

STATION	STATION NAME	YEARS	MONTH	NOV
13773	QUANTICO, VIRGINIA	73-77		

13773	QUANTICO, VIRGINIA	73-77	NOV
STATION	STATION NAME	YEARS	MONTH

PAGE 2
HOURS (L.S.T.)

PSYCHROMETRIC SUMMARY

JAN 68

[illegible]

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

13773 STATION QUANTICO, VIRGINIA 73-77 YEARS ALL MONTH PAGE 1 HOURS (L.S.T.)

5005 PSYCHROMETRIC SUMMARY JAN 68

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL						
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point						
98/ 97									.0	.0	.0	.0						1	1								
96/ 95								.0	.0	.0	.0	.0						8	8								
94/ 93								.0	.2	.1	.1	.0						37	37								
92/ 91							.1	.1	.1	.2	.0	.0	.0	.0				54	54								
90/ 89							.2	.3	.2	.1	.1	.0	.0					109	109								
88/ 87							.0	.0	.3	.4	.2	.1	.0					150	150								
86/ 85			.0	.1	.3	.4	.3	.3	.3	.2	.1	.0	.0					207	207	2	2						
84/ 83			.0	.1	.5	.5	.3	.3	.3	.2	.1	.0						236	236	5	5						
82/ 81		.0	.0	.4	.6	.4	.4	.3	.3	.1	.1	.0	.0					258	258	16	16						
80/ 79		.1	.2	.6	.6	.5	.3	.3	.3	.3	.1	.0	.0	.0				333	333	84	11						
78/ 77		.2	.7	.6	.6	.3	.5	.2	.1	.0	.0	.0	.0					373	373	172	45						
76/ 75	.0	.7	.9	.9	.5	.4	.3	.2	.1	.1	.0	.0	.0					473	473	336	123						
74/ 73	.0	1.2	1.0	.6	.4	.5	.3	.1	.1	.1	.0	.0	.0					492	492	493	279						
72/ 71	.1	1.5	.9	.5	.6	.3	.4	.1	.1	.1	.0	.0						530	530	549	493						
70/ 69	.1	1.5	.8	.7	.5	.4	.3	.2	.1	.1								523	523	655	581						
68/ 67	.1	1.3	.9	.5	.4	.4	.2	.2	.1	.0								475	475	500	528						
66/ 65	.1	1.2	.8	.6	.5	.3	.2	.1	.1	.0								460	460	570	490						
64/ 63	.1	1.1	.7	.4	.3	.3	.3	.1	.1	.0								382	382	496	441						
62/ 61	.1	.9	.6	.4	.3	.3	.3	.2	.0	.0								380	380	457	444						
60/ 59	.1	1.1	.4	.5	.3	.4	.2	.1	.0	.0								370	371	456	483						
58/ 57	.2	.8	.6	.5	.3	.4	.2	.1	.1	.0								352	352	393	446						
56/ 55	.1	.8	.6	.4	.5	.4	.2	.1	.0									352	352	348	354						
54/ 53	.1	.8	.6	.6	.5	.4	.2	.0										378	378	375	375						
52/ 51	.2	.9	.5	.5	.5	.4	.1											351	352	376	341						
50/ 49	.2	.9	.5	.7	.6	.4	.1	.0										392	392	389	357						
48/ 47	.2	.9	.7	.6	.7	.4	.1											397	397	394	341						
46/ 45	.2	.9	.7	.7	.5	.2	.1											377	377	428	310						
44/ 43	.3	.9	.6	.6	.4	.2												345	345	419	329						
42/ 41	.3	1.1	.8	.7	.4	.1	.0											393	393	445	336						
40/ 39	.3	1.2	.8	.7	.4	.0	.0											383	383	459	416						
38/ 37	.4	1.0	.9	.8	.1	.0		.0										373	373	435	393						
36/ 35	.3	1.2	1.1	.6	.1													375	375	436	432						
34/ 33	.2	1.0	.7	.4	.1													286	286	386	394						
32/ 31	.2	.9	.6	.3	.1													241	244	396	418						
Element (X)	ΣX																		\bar{X}	σ_x	Mean No. of Hours with Temperature						
Rel. Hum.																					± 0 F		± 80 F		± 93 F		Total
Dry Bulb																											
Wet Bulb																											
Dew Point																											

MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

13773 QUANTICO, VIRGINIA

73-77

STATION NAME

YEARS

HRS.(LST.)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
01	MEAN 34.9 S.D. 6.927 TOTAL OBS 124	36.7 10.131 112	45.0 9.192 122	51.0 9.567 118	59.6 8.013 107	69.2 5.719 90	72.2 4.602 94	72.4 3.706 93	65.3 7.289 90	54.1 9.052 93	46.6 10.324 88	37.8 8.909 93	52.8 15.637 1224
04	MEAN 33.4 S.D. 9.659 TOTAL OBS 124	34.9 10.241 112	43.2 9.472 124	48.5 10.069 119	57.6 8.221 121	67.1 6.039 118	69.8 4.465 121	69.6 4.871 123	63.7 7.389 90	51.6 9.910 115	45.0 10.178 88	36.6 8.888 93	52.0 15.620 1348
07	MEAN 30.5 S.D. 11.188 TOTAL OBS 144	33.7 10.610 116	42.6 9.389 125	49.0 9.387 123	59.6 7.390 143	68.5 5.195 142	71.9 3.992 143	70.7 4.734 144	63.3 7.039 139	51.2 9.532 133	43.0 10.799 111	34.4 9.096 113	52.4 16.774 1576
10	MEAN 35.3 S.D. 9.452 TOTAL OBS 144	39.6 10.572 132	49.0 9.080 147	58.6 9.738 140	67.2 6.940 144	75.7 5.739 142	79.8 4.364 143	78.9 4.814 147	71.4 5.790 140	59.7 7.723 135	50.5 10.414 127	38.3 8.061 135	58.9 17.413 1676
13	MEAN 40.2 S.D. 10.104 TOTAL OBS 143	45.5 11.441 132	54.2 9.920 147	63.9 11.397 139	72.2 8.104 143	80.4 6.896 140	84.8 4.879 142	84.0 5.597 146	76.3 6.967 140	65.4 8.421 136	55.9 11.647 129	43.0 8.429 134	64.1 17.771 1671
16	MEAN 41.9 S.D. 10.497 TOTAL OBS 144	47.9 11.854 130	56.1 9.803 142	65.7 11.715 132	72.5 8.295 125	81.3 7.375 123	85.8 5.412 121	84.3 6.081 124	76.6 6.997 113	67.0 8.861 113	56.9 11.591 112	43.7 8.375 117	64.5 17.655 1496
19	MEAN 39.0 S.D. 9.304 TOTAL OBS 126	42.9 10.362 117	51.1 8.868 126	60.5 10.315 120	68.3 7.763 110	77.5 6.153 104	80.8 4.881 103	79.1 4.946 109	70.2 6.848 99	59.6 8.118 100	52.5 10.167 91	40.3 7.961 99	59.7 16.736 1304
22	MEAN 36.5 S.D. 6.887 TOTAL OBS 124	39.3 10.238 113	47.3 8.477 124	54.4 9.753 118	63.0 7.837 107	72.1 5.565 92	74.9 4.283 98	74.8 4.137 97	66.7 7.145 90	56.2 8.831 93	48.7 10.247 88	38.6 7.682 93	55.2 15.814 1237
ALL HOURS	MEAN 36.5 S.D. 10.427 TOTAL OBS 1073	40.3 11.703 964	48.8 10.390 1057	56.7 12.043 1009	65.2 9.546 1000	74.2 8.062 951	77.7 7.413 965	77.0 7.410 983	69.6 8.545 901	58.3 10.475 918	50.2 11.722 834	39.3 8.915 877	57.7 17.459 11532

MEANS AND STANDARD DEVIATIONS

5707 MEANS AND STANDARD DEVIATIONS JAN 68

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

73-77

QUANTICO, VIRGINIA

HRS.(LST.)		YEARS											
		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.
01	MEAN	32.5	33.6	41.3	46.3	56.1	65.7	68.6	69.7	62.5	51.3	43.1	35.4
	S. D.	8.875	9.128	8.782	9.475	7.944	5.075	4.316	3.420	7.343	9.172	9.831	8.354
	TOTAL OBS	124	112	122	118	107	90	94	93	90	92	88	92
04	MEAN	31.1	32.2	40.0	44.6	54.9	64.4	67.1	67.4	61.4	49.3	42.1	34.4
	S. D.	9.474	9.401	9.094	10.015	8.256	5.755	4.538	4.885	7.700	9.967	10.049	8.362
	TOTAL OBS	124	112	124	119	121	118	121	123	90	115	88	93
07	MEAN	28.5	31.3	39.9	45.2	56.1	64.9	68.0	67.8	61.1	48.8	40.4	32.2
	S. D.	10.940	9.937	9.265	9.300	7.899	5.524	4.414	4.860	7.263	9.600	10.601	8.961
	TOTAL OBS	144	114	124	123	143	142	143	144	139	133	111	113
10	MEAN	32.3	35.2	44.1	50.3	60.2	68.2	71.7	71.8	65.0	54.1	45.3	34.9
	S. D.	9.516	9.753	8.365	8.603	7.123	5.279	4.264	4.511	6.149	8.183	10.300	8.136
	TOTAL OBS	144	132	146	140	144	142	143	147	140	135	127	135
13	MEAN	35.7	39.2	47.1	53.3	62.4	69.6	73.2	73.3	67.2	56.9	48.3	38.1
	S. D.	9.166	9.248	8.214	9.039	7.275	5.279	4.567	4.643	6.250	7.950	10.467	7.764
	TOTAL OBS	143	131	147	139	143	140	142	142	140	136	129	134
16	MEAN	36.9	40.8	48.3	53.9	62.6	70.1	73.5	73.5	67.2	57.4	48.3	38.3
	S. D.	9.197	9.129	8.041	8.601	7.255	5.168	4.484	4.447	6.495	8.171	10.236	7.639
	TOTAL OBS	144	130	142	132	125	123	121	124	113	113	112	117
19	MEAN	35.6	37.9	45.4	51.4	60.6	69.7	72.7	72.9	65.1	54.9	46.9	36.7
	S. D.	8.915	8.973	8.149	8.809	7.504	5.091	4.295	4.083	6.451	8.644	9.597	7.936
	TOTAL OBS	126	117	126	120	110	104	103	109	99	100	91	99
22	MEAN	33.6	35.5	43.3	48.5	58.2	67.7	70.8	71.4	63.5	52.9	44.4	35.7
	S. D.	8.464	9.324	8.180	9.181	7.805	4.800	3.740	3.771	6.998	8.938	9.581	7.710
	TOTAL OBS	124	113	124	118	107	92	98	97	90	93	88	93
ALL HOURS	MEAN	33.3	35.9	43.8	49.3	59.0	67.6	70.7	71.0	64.3	53.2	45.0	35.8
	S. D.	9.705	9.859	8.981	9.693	8.105	5.678	4.939	4.981	7.150	9.335	10.465	8.301
	TOTAL OBS	1073	961	1055	1009	1000	951	965	983	901	917	834	876

MEANS AND STANDARD DEVIATIONS

5707 MEANS AND STANDARD DEVIATIONS JAN 68

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

13773 QUANTICO, VIRGINIA

73-77

STATION NAME

YEARS

HRS.(L.S.T.)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
01	MEAN 27.5 S.D. 11.786 TOTAL OBS 124	MEAN 28.1 S.D. 11.046 TOTAL OBS 124	MEAN 36.5 S.D. 11.109 TOTAL OBS 122	MEAN 40.9 S.D. 12.025 TOTAL OBS 118	MEAN 53.3 S.D. 9.325 TOTAL OBS 107	MEAN 63.8 S.D. 5.566 TOTAL OBS 90	MEAN 66.8 S.D. 5.066 TOTAL OBS 94	MEAN 68.5 S.D. 3.792 TOTAL OBS 93	MEAN 60.7 S.D. 8.183 TOTAL OBS 90	MEAN 48.7 S.D. 10.676 TOTAL OBS 92	MEAN 38.8 S.D. 11.422 TOTAL OBS 88	MEAN 31.2 S.D. 10.125 TOTAL OBS 92	MEAN 46.0 S.D. 17.509 TOTAL OBS 1222
04	MEAN 26.2 S.D. 12.142 TOTAL OBS 124	MEAN 26.8 S.D. 11.597 TOTAL OBS 124	MEAN 35.4 S.D. 11.464 TOTAL OBS 124	MEAN 39.8 S.D. 12.373 TOTAL OBS 119	MEAN 52.6 S.D. 9.387 TOTAL OBS 121	MEAN 62.9 S.D. 6.047 TOTAL OBS 118	MEAN 65.6 S.D. 5.371 TOTAL OBS 121	MEAN 66.2 S.D. 5.314 TOTAL OBS 123	MEAN 59.9 S.D. 8.641 TOTAL OBS 90	MEAN 47.1 S.D. 11.034 TOTAL OBS 115	MEAN 38.3 S.D. 11.579 TOTAL OBS 88	MEAN 30.7 S.D. 9.755 TOTAL OBS 93	MEAN 46.2 S.D. 17.633 TOTAL OBS 1348
07	MEAN 23.5 S.D. 14.009 TOTAL OBS 144	MEAN 25.9 S.D. 12.351 TOTAL OBS 144	MEAN 35.7 S.D. 11.557 TOTAL OBS 144	MEAN 40.7 S.D. 11.060 TOTAL OBS 123	MEAN 53.3 S.D. 9.552 TOTAL OBS 143	MEAN 62.8 S.D. 6.558 TOTAL OBS 142	MEAN 65.9 S.D. 5.451 TOTAL OBS 143	MEAN 66.3 S.D. 5.460 TOTAL OBS 144	MEAN 59.6 S.D. 7.994 TOTAL OBS 139	MEAN 46.3 S.D. 10.857 TOTAL OBS 133	MEAN 36.7 S.D. 12.140 TOTAL OBS 111	MEAN 28.0 S.D. 11.104 TOTAL OBS 113	MEAN 46.4 S.D. 18.357 TOTAL OBS 1573
10	MEAN 25.9 S.D. 13.395 TOTAL OBS 144	MEAN 27.4 S.D. 12.490 TOTAL OBS 144	MEAN 38.1 S.D. 10.874 TOTAL OBS 146	MEAN 41.8 S.D. 11.275 TOTAL OBS 140	MEAN 55.1 S.D. 9.657 TOTAL OBS 144	MEAN 64.1 S.D. 6.865 TOTAL OBS 142	MEAN 67.7 S.D. 5.850 TOTAL OBS 143	MEAN 68.4 S.D. 5.696 TOTAL OBS 147	MEAN 61.2 S.D. 8.040 TOTAL OBS 140	MEAN 49.1 S.D. 10.980 TOTAL OBS 135	MEAN 39.0 S.D. 13.050 TOTAL OBS 127	MEAN 28.7 S.D. 11.967 TOTAL OBS 135	MEAN 47.5 S.D. 18.429 TOTAL OBS 1675
13	MEAN 26.0 S.D. 12.353 TOTAL OBS 143	MEAN 29.9 S.D. 11.664 TOTAL OBS 143	MEAN 39.1 S.D. 11.177 TOTAL OBS 147	MEAN 43.3 S.D. 12.372 TOTAL OBS 139	MEAN 55.8 S.D. 9.999 TOTAL OBS 143	MEAN 64.0 S.D. 6.942 TOTAL OBS 140	MEAN 67.7 S.D. 6.483 TOTAL OBS 142	MEAN 68.3 S.D. 6.178 TOTAL OBS 146	MEAN 62.1 S.D. 8.190 TOTAL OBS 140	MEAN 49.9 S.D. 10.863 TOTAL OBS 136	MEAN 39.8 S.D. 13.411 TOTAL OBS 129	MEAN 30.4 S.D. 11.279 TOTAL OBS 134	MEAN 48.4 S.D. 17.807 TOTAL OBS 1670
16	MEAN 28.8 S.D. 12.188 TOTAL OBS 144	MEAN 31.0 S.D. 11.215 TOTAL OBS 144	MEAN 39.7 S.D. 11.232 TOTAL OBS 142	MEAN 43.1 S.D. 11.097 TOTAL OBS 132	MEAN 55.8 S.D. 10.294 TOTAL OBS 125	MEAN 64.3 S.D. 6.444 TOTAL OBS 123	MEAN 67.7 S.D. 6.460 TOTAL OBS 121	MEAN 68.4 S.D. 6.224 TOTAL OBS 124	MEAN 61.8 S.D. 9.010 TOTAL OBS 113	MEAN 49.7 S.D. 11.222 TOTAL OBS 113	MEAN 38.7 S.D. 13.389 TOTAL OBS 112	MEAN 30.0 S.D. 11.359 TOTAL OBS 117	MEAN 47.8 S.D. 17.720 TOTAL OBS 1496
19	MEAN 29.0 S.D. 12.191 TOTAL OBS 126	MEAN 30.6 S.D. 11.135 TOTAL OBS 117	MEAN 38.4 S.D. 11.260 TOTAL OBS 126	MEAN 42.5 S.D. 12.006 TOTAL OBS 120	MEAN 54.9 S.D. 10.116 TOTAL OBS 110	MEAN 65.7 S.D. 6.121 TOTAL OBS 104	MEAN 68.9 S.D. 5.638 TOTAL OBS 103	MEAN 70.1 S.D. 5.202 TOTAL OBS 109	MEAN 62.1 S.D. 7.661 TOTAL OBS 99	MEAN 50.8 S.D. 11.198 TOTAL OBS 100	MEAN 40.7 S.D. 12.053 TOTAL OBS 91	MEAN 30.7 S.D. 11.456 TOTAL OBS 99	MEAN 48.2 S.D. 17.850 TOTAL OBS 1304
22	MEAN 28.2 S.D. 11.504 TOTAL OBS 124	MEAN 29.0 S.D. 12.087 TOTAL OBS 124	MEAN 38.2 S.D. 10.464 TOTAL OBS 124	MEAN 42.2 S.D. 11.648 TOTAL OBS 118	MEAN 54.5 S.D. 9.571 TOTAL OBS 107	MEAN 65.4 S.D. 5.371 TOTAL OBS 92	MEAN 68.8 S.D. 4.424 TOTAL OBS 98	MEAN 69.8 S.D. 4.197 TOTAL OBS 97	MEAN 61.7 S.D. 7.814 TOTAL OBS 90	MEAN 49.9 S.D. 10.639 TOTAL OBS 93	MEAN 39.3 S.D. 11.237 TOTAL OBS 88	MEAN 30.5 S.D. 10.629 TOTAL OBS 93	MEAN 47.2 S.D. 17.828 TOTAL OBS 1237
ALL HOURS	MEAN 27.2 S.D. 12.609 TOTAL OBS 1073	MEAN 28.6 S.D. 11.799 TOTAL OBS 961	MEAN 37.7 S.D. 11.206 TOTAL OBS 1055	MEAN 41.8 S.D. 11.753 TOTAL OBS 1009	MEAN 54.4 S.D. 9.782 TOTAL OBS 1000	MEAN 64.0 S.D. 6.392 TOTAL OBS 951	MEAN 67.3 S.D. 5.780 TOTAL OBS 965	MEAN 68.1 S.D. 5.563 TOTAL OBS 983	MEAN 61.1 S.D. 8.220 TOTAL OBS 901	MEAN 48.8 S.D. 10.995 TOTAL OBS 917	MEAN 38.9 S.D. 12.428 TOTAL OBS 834	MEAN 29.9 S.D. 11.066 TOTAL OBS 876	MEAN 47.2 S.D. 17.935 TOTAL OBS 11525

RELATIVE HUMIDITY

13773

QUANTICO, VIRGINIA STATION NAME

73-77

GOVERNMENT

JAN
MONTH

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	01	100.0	100.0	100.0	98.4	90.3	78.2	66.1	49.2	22.6	76.0	124
	04	100.0	100.0	100.0	96.8	91.9	75.8	66.1	48.4	25.8	76.3	124
	07	100.0	100.0	100.0	98.6	89.6	79.2	65.3	53.5	27.1	76.6	144
	10	100.0	100.0	100.0	91.0	83.3	67.4	50.0	37.5	17.4	70.4	144
	13	100.0	100.0	99.3	86.7	70.6	52.4	37.1	22.4	12.6	64.0	143
	16	100.0	100.0	97.9	84.7	66.7	48.6	34.0	24.3	11.8	62.5	144
	19	100.0	100.0	99.2	95.2	84.9	72.2	53.2	33.3	16.7	70.6	126
	22	100.0	100.0	98.4	94.4	87.9	79.8	61.3	34.7	19.4	73.5	124
TOTALS		100.0	100.0	99.6	93.2	83.2	69.2	54.1	37.9	19.2	71.2	1073

RELATIVE HUMIDITY

STATION
13773

QUANTICO, VIRGINIA

STATION	STATION NAME
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73-77

PERIOD

FEB
MONTH

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
FEB	01	100.0	100.0	100.0	97.3	87.5	75.9	58.0	37.5	15.2	72.6	112
	04	100.0	100.0	100.0	96.4	88.4	77.7	60.7	41.1	20.5	74.0	112
	07	100.0	100.0	99.1	97.4	89.5	75.4	63.2	40.4	14.9	73.9	114
	10	100.0	100.0	98.5	91.7	78.8	53.8	33.3	17.4	9.1	63.6	132
	13	100.0	100.0	93.9	80.2	54.2	35.9	27.5	16.8	9.2	57.2	131
	16	100.0	97.7	94.6	72.3	47.7	30.8	25.4	17.7	10.0	55.5	130
	19	100.0	99.1	98.3	90.6	75.2	54.7	31.6	23.1	15.4	64.5	117
	22	100.0	100.0	98.2	92.0	84.1	67.3	45.1	27.4	12.4	68.5	113
TOTALS		100.0	99.6	97.8	89.7	75.7	58.9	43.1	27.7	13.3	66.2	961

RELATIVE HUMIDITY

5706 RELATIVE HUMIDITY JAN 68

PRINTED BY THE STANDARD REDUCING COMPANY, U. S. A.

MAR
MONTH

73-77
PERIOD

13773 QUANTICO, VIRGINIA
STATION NAME

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAR	01	100.0	100.0	99.2	96.7	91.8	74.6	55.7	43.4	22.1	74.1	122
	04	100.0	100.0	99.2	98.4	91.1	77.4	62.1	47.6	24.2	75.9	124
	07	100.0	100.0	100.0	99.2	91.9	84.7	68.5	48.4	27.4	77.6	124
	10	100.0	100.0	99.3	95.2	80.1	60.3	41.1	31.5	20.5	68.7	146
	13	100.0	100.0	95.9	78.2	61.2	40.1	33.3	23.1	14.3	60.3	147
	16	100.0	99.3	93.0	80.3	54.2	35.9	28.2	21.8	12.7	58.0	142
	19	100.0	100.0	98.4	88.1	73.8	51.6	40.5	27.0	15.1	64.8	126
	22	100.0	100.0	100.0	98.4	89.5	71.8	54.0	37.1	21.8	72.5	124
TOTALS		100.0	99.9	98.1	91.8	79.2	62.1	47.9	35.0	19.8	69.0	1053

RELATIVE HUMIDITY

13773
SYNTHESIS

QUANTICO, VIRGINIA

STATION NAME

73-77

PERIOD

APR
MONTH

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
APR	01	100.0	100.0	100.0	96.6	82.2	70.3	52.5	29.7	11.0	70.0	118
	04	100.0	100.0	99.2	97.5	89.9	76.8	60.5	37.0	14.3	73.3	119
	07	100.0	100.0	100.0	100.0	95.9	82.9	57.7	32.5	13.8	74.0	123
	10	100.0	100.0	98.6	83.6	59.3	30.0	16.4	11.4	6.4	55.9	140
	13	100.0	99.3	91.4	66.9	35.3	20.9	16.5	10.1	4.3	50.1	139
	16	100.0	100.0	85.6	55.3	34.1	18.2	11.4	8.3	3.0	47.0	132
	19	100.0	100.0	92.5	76.7	53.3	31.7	17.5	7.5	1.7	54.0	120
	22	100.0	100.0	99.2	92.4	83.9	62.7	34.7	16.1	5.1	65.1	118
TOTALS		100.0	99.9	95.8	83.6	66.7	48.9	33.4	19.1	7.5	61.2	1009

5706 RELATIVE HUMIDITY JAN 68

MAY
MONTH

73-77

QUANTICO, VIRGINIA

STATION NAME

PERIOD

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAY	01	100.0	100.0	100.0	100.0	96.3	86.9	75.7	58.9	30.8	80.8	107
	04	100.0	100.0	100.0	100.0	97.5	92.6	83.5	69.4	40.5	84.6	121
	07	100.0	100.0	100.0	99.3	99.3	93.0	77.6	56.6	18.9	80.5	143
	10	100.0	100.0	100.0	97.2	78.5	63.9	41.7	22.9	9.7	67.0	144
	13	100.0	100.0	97.9	84.6	65.0	41.3	25.9	15.4	4.9	58.8	143
	16	100.0	100.0	94.4	80.0	62.4	43.2	29.6	18.4	7.2	59.1	125
	19	100.0	100.0	92.2	90.0	75.5	58.2	37.3	20.9	6.2	64.6	110
	22	100.0	100.0	100.0	100.0	90.7	77.6	64.5	46.7	21.5	75.6	107
TOTALS		100.0	100.0	98.8	93.9	83.2	69.6	54.5	38.7	17.7	71.4	1000

RELATIVE HUMIDITY

5706 RELATIVE HUMIDITY JAN 68

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13773 STATION

QUANTICO, VIRGINIA

73-77

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUN	01	100.0	100.0	100.0	100.0	100.0	96.7	90.0	65.6	31.1	83.8	90
	04	100.0	100.0	100.0	100.0	100.0	99.2	92.4	79.7	36.4	86.8	118
	07	100.0	100.0	100.0	100.0	99.2	97.2	88.0	67.6	16.2	82.6	142
	10	100.0	100.0	100.0	100.0	88.0	71.8	50.0	21.1	3.5	68.7	142
	13	100.0	100.0	100.0	92.1	67.1	41.4	21.4	8.6	4.3	59.2	140
	16	100.0	100.0	100.0	91.1	62.6	35.8	19.5	12.2	3.3	58.2	123
	19	100.0	100.0	100.0	100.0	93.3	70.2	45.2	16.3	4.8	68.3	104
	22	100.0	100.0	100.0	100.0	100.0	94.6	81.5	52.2	25.0	80.4	92
TOTALS		100.0	100.0	100.0	97.9	88.8	75.9	61.0	40.4	15.6	73.5	951

5706 RELATIVE HUMIDITY JAN 68

STATION
13773

QUANTICO, VIRGINIA

73-77

PERIOD

AUG
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
AUG	01	100.0	100.0	100.0	100.0	100.0	100.0	96.8	81.7	43.0	87.8	93
	04	100.0	100.0	100.0	100.0	100.0	99.2	99.2	87.0	54.5	89.4	123
	07	100.0	100.0	100.0	100.0	100.0	99.3	96.5	81.3	25.7	86.2	144
	10	100.0	100.0	100.0	99.3	98.6	83.0	51.7	21.8	4.1	71.2	147
	13	100.0	100.0	100.0	96.6	82.2	46.6	17.8	5.5	2.1	60.6	146
	16	100.0	100.0	99.2	92.7	76.6	44.4	20.2	12.1	5.6	60.8	124
	19	100.0	100.0	100.0	100.0	94.5	86.2	67.9	30.3	9.2	75.0	109
	22	100.0	100.0	100.0	100.0	100.0	100.0	90.7	73.2	30.9	85.0	97
TOTALS		100.0	100.0	99.9	98.6	94.0	82.3	67.6	49.1	21.9	77.0	983

5706 RELATIVE HUMIDITY JAN 68

13773
TATION

QUANTICO, VIRGINIA

73-77

STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE	STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE
STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE	STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE

PERIOD

SEP
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
SEP	01	100.0	100.0	100.0	100.0	97.8	96.7	93.3	73.3	43.3	86.0	90
	04	100.0	100.0	100.0	100.0	98.9	96.7	93.3	80.0	48.9	87.7	90
	07	100.0	100.0	100.0	100.0	100.0	99.3	96.4	81.3	42.4	88.0	139
	10	100.0	100.0	100.0	100.0	93.6	76.4	52.1	24.3	8.6	71.6	140
	13	100.0	100.0	100.0	95.7	78.6	55.0	29.3	12.1	6.4	63.3	140
	16	100.0	100.0	100.0	92.0	72.6	53.1	27.4	16.8	5.3	62.2	113
	19	100.0	100.0	100.0	100.0	99.0	88.9	69.7	34.3	16.2	76.4	99
	22	100.0	100.0	100.0	100.0	97.8	95.6	92.2	75.6	26.7	84.8	90
TOTALS		100.0	100.0	100.0	98.5	92.3	82.7	69.2	49.7	24.7	77.5	901

5706 RELATIVE HUMIDITY JAN 68

MONTH
130

73-77

QUANTICO, VIRGINIA

13773
STATION

PERIOD

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
DEC	01	100.0	100.0	100.0	100.0	96.7	93.5	83.7	68.5	34.8	83.2	92
	04	100.0	100.0	100.0	100.0	100.0	97.4	89.0	73.0	39.1	85.2	115
	07	100.0	100.0	100.0	100.0	99.2	94.7	85.0	68.4	38.3	84.2	133
	10	100.0	100.0	100.0	97.8	85.9	67.4	46.1	26.7	12.6	69.8	135
	13	100.0	100.0	97.8	89.7	65.4	40.4	25.0	14.0	5.9	59.4	136
	16	100.0	100.0	96.5	82.3	62.8	34.5	14.2	8.8	5.3	55.8	113
	19	100.0	100.0	100.0	97.0	92.0	80.0	68.0	36.0	9.0	73.9	100
	22	100.0	100.0	100.0	98.9	93.5	89.2	83.9	58.1	28.0	80.8	93
TOTALS		100.0	100.0	98.3	95.7	84.9	76.4	62.2	44.2	21.6	76.0	617

RELATIVE HUMIDITY

5706 RELATIVE HUMIDITY JAN 68

NOV
MONTH

73-77

PERIOD

13773 QUANTICO, VIRGINIA
STATION NAME

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
NOV	01	100.0	100.0	100.0	98.9	90.9	81.8	67.0	43.2	18.2	75.7	88
	04	100.0	100.0	100.0	96.9	96.6	85.2	69.3	53.4	27.3	78.7	88
	07	100.0	100.0	100.0	99.1	93.7	85.6	78.4	53.2	25.2	79.4	111
	10	100.0	100.0	100.0	93.7	78.0	55.9	40.2	21.3	14.2	66.6	127
	13	100.0	100.0	96.9	81.4	55.8	32.6	24.8	18.6	7.8	57.6	129
	16	100.0	100.0	92.0	73.2	49.1	30.4	18.8	8.0	1.8	53.0	112
	19	100.0	100.0	100.0	94.5	83.5	62.6	41.8	25.3	5.5	66.3	91
	22	100.0	100.0	100.0	97.7	90.9	70.5	59.1	30.7	11.4	71.5	88
TOTALS		100.0	100.0	98.6	92.2	79.8	63.1	49.9	31.7	13.9	68.6	834

RELATIVE HUMIDITY

13773

QUANTICO, VIRGINIA
STATION NAME

STATION

73-77

PERIOD

DEC
MONTH

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
DEC	01	100.0	100.0	100.0	100.0	96.7	83.7	66.3	47.8	28.3	77.4	92
	04	100.0	100.0	100.0	100.0	97.8	88.2	74.2	58.1	28.0	79.9	93
	07	100.0	100.0	100.0	99.1	97.3	82.3	71.7	55.8	24.8	78.6	113
	10	100.0	99.3	99.3	94.8	85.2	65.9	52.6	34.8	19.3	70.3	135
	13	100.0	99.3	98.5	86.6	67.2	53.7	36.6	24.6	16.4	64.1	134
	16	100.0	100.0	95.7	82.1	62.4	48.7	36.8	23.1	12.0	61.7	117
	19	100.0	99.0	99.0	96.0	83.8	71.7	54.5	31.3	15.2	70.6	99
	22	100.0	100.0	98.9	97.8	87.1	74.2	60.2	43.0	22.6	74.2	93
TOTALS		100.0	99.7	98.9	94.6	84.7	71.1	56.6	39.8	20.8	72.1	876

RELATIVE HUMIDITY

5706 RELATIVE HUMIDITY JAN 68

ALL
MONTH

73-77

QUANTICO, VIRGINIA
STATION NAME

13773
STATION

PERIOD

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	100.0	99.4	93.2	83.2	69.2	54.1	37.9	19.2	71.2	1073
FEB		100.0	99.6	97.8	89.7	75.7	58.9	43.1	27.7	13.3	66.2	961
MAR		100.0	99.9	98.1	91.8	79.2	62.1	47.9	35.0	19.8	69.0	1055
APR		100.0	99.9	95.8	83.6	66.7	48.9	33.4	19.1	7.5	61.2	1009
MAY		100.0	100.0	98.8	93.9	83.2	69.6	54.5	38.7	17.7	71.4	1000
JUN		100.0	100.0	100.0	97.9	88.8	75.9	61.0	40.4	15.6	73.5	951
JUL		100.0	100.0	100.0	98.1	89.2	75.5	57.1	39.9	15.5	73.2	965
AUG		100.0	100.0	99.9	98.6	94.0	82.3	67.6	49.1	21.9	77.0	983
SEP		100.0	100.0	100.0	98.5	92.3	82.7	69.2	49.7	24.7	77.5	901
OCT		100.0	100.0	99.3	95.7	86.9	74.6	62.2	44.2	21.6	74.0	917
NOV		100.0	100.0	98.6	92.2	79.8	63.1	49.9	31.7	13.9	68.6	834
DEC		100.0	99.7	98.9	94.6	84.7	71.1	56.6	39.8	20.8	72.1	876
TOTALS		100.0	99.9	98.9	94.0	83.6	69.5	54.7	37.8	17.6	71.2	11525

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

JAN 1973-DEC 1977
YEARS

JANUARY
MONTH

ALL
HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76											
67 TO 71											
62 TO 66											
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LVR											
TOTALS	15.1	4.9	3.9	4.9	14.2	6.5	11.4	18.6	20.4	107.3	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

STATION NAME QUANTICO, VIRGINIA STATION 13773 MONTH FEBRUARY ALL HOURS (L.S.T.)

YEARS JAN 1973-DEC 1977

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 -											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76											
67 TO 71											
62 TO 66											
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWP											
TOTALS	16.3	5.5	4.5	4.0	16.2	9.1	8.5	21.5	14.4	96.4	100.0

5709 FREQ. AIR TEMP. VS. WIND DIR. JAN. 68

PERCENTAGE FREQUENCY OF AIR TEMPERATURE

VS.

WIND DIRECTION

QUANTICO, VIRGINIA

JAN 1973-DEC 1977

MARCH

ALL

STATION NAME

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76											
67 TO 71											
62 TO 66											
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LOWER											
TOTALS	15.1	9.3	6.0	9.6	18.5	5.6	6.7	16.8	12.4	1057	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS.

WIND DIRECTION

13773
STATION

QUANTICO, VIRGINIA

JAN 1973-DEC 1977

APRIL

ALL

HOURS (LST.)

MONTH

YEARS

STATION NAME

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 -											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91				9.1	63.6	100.0				1	.1
82 TO 86	5.9			11.8	47.1	23.5	5.9	5.9		11	1.1
77 TO 81	5.9	2.9	5.9	11.8	38.2	14.7	11.8	5.9		17	1.7
72 TO 76	5.3		1.8	14.0	38.6	21.1	8.8	11.8		34	3.4
67 TO 71	5.2	2.1	4.1	6.2	32.0	14.4	13.4	5.3	5.3	57	5.6
62 TO 66	6.6	6.6	4.1	8.2	23.8	8.2	12.3	14.4	8.2	97	9.6
57 TO 61	10.4	4.4	8.1	7.4	20.0	3.0	11.9	11.5	18.9	122	12.1
52 TO 56	17.8	10.6	6.7	8.9	11.7	5.0	6.1	19.3	15.6	135	13.4
47 TO 51	28.0	6.0	4.7	1.3	10.0	3.3	8.7	23.9	9.4	180	17.8
42 TO 46	14.7	3.9	4.9	1.0	2.9	2.0	8.8	31.3	6.7	130	14.9
37 TO 41	27.9				1.5	2.9	5.9	52.9	8.8	102	10.1
32 TO 36	31.4			2.9	2.9		8.6	57.4	4.4	68	6.7
27 TO 31								42.9	11.4	35	3.5
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & OVER											
TOTALS	15.1	4.9	4.7	5.9	17.6	7.0	9.3	25.8	9.7	1009	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS.

WIND DIRECTION

STATION NAME QUANTICO, VIRGINIA STATION 13773 MONTH MAY HOURS (L.S.T.) ALL

JAN 1973-DEC 1977 YEARS

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91		16.7	6.7	3.3	66.7	16.7		100.0		1	1.1
82 TO 86	3.2	3.3	6.7	3.3	63.3	3.3	13.3	6.7		6	3.6
77 TO 81	2.4	1.2	6.0	8.3	52.4	9.5	9.5	6.0	4.8	30	3.0
72 TO 76	10.9	4.8	3.4	14.3	32.7	12.2	4.1	10.2	7.5	84	8.4
67 TO 71	11.1	12.2	5.6	11.7	27.8	6.7	6.1	12.8	6.1	147	14.7
62 TO 66	8.3	6.8	8.7	12.6	24.3	3.4	6.3	14.6	15.0	180	18.0
57 TO 61	10.3	8.4	9.7	5.8	20.0	2.6	6.5	27.1	9.7	206	20.6
52 TO 56	14.9	9.6	7.0	12.3	5.3	.9	7.9	26.3	15.8	155	15.5
47 TO 51	17.4	2.2	4.3	3.8	2.2		13.0	47.8	13.0	114	11.4
42 TO 46	11.5						19.2	53.8	7.7	46	4.6
37 TO 41								100.0		26	2.6
32 TO 36										5	.5
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	10.0	7.0	6.5	10.0	25.3	5.3	7.2	18.9	9.8	1000	100.0

5709 REQ. AIR TEMP. VS. WIND DIR. JAN. 68

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

13773

QUANTICO, VIRGINIA

STATION NAME

WIND DIRECTION

JAN 1973-DEC 1977

YEARS

JUNE

MONTH

ALL

HOURS (L.S.T.)

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96				12.5	37.5	12.5	12.5	25.0		6	.8
87 TO 91	8.1	1.6	3.2	6.5	51.6	14.5	8.1	4.8	1.6	62	6.5
82 TO 86	2.4	3.1	1.6	16.5	48.8	11.0	6.3	7.9	2.4	127	13.4
77 TO 81	5.4	3.6	7.1	16.1	38.1	8.3	5.4	10.7	5.4	168	17.7
72 TO 76	9.2	3.1	8.3	9.2	32.0	11.8	4.4	10.5	11.4	228	24.0
67 TO 71	12.0	9.9	5.7	5.7	15.1	5.7	5.2	26.0	14.6	192	20.2
62 TO 66	12.4	10.5	6.7	1.9	8.6	3.8	8.6	27.6	20.0	105	11.0
57 TO 61	29.4	9.8	2.0		3.9	2.0	3.9	35.3	13.7	51	5.4
52 TO 56							37.5	50.0	12.5	6	.8
47 TO 51								100.0		2	.2
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LVR											
TOTALS	9.4	5.6	5.7	9.1	28.8	8.5	6.0	16.8	10.1	951	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

STATION NAME QUANTICO, VIRGINIA STATION 13773 MONTH JULY YEARS JAN 1973-DEC 1977 HOURS ALL

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101					100.0					1	.1
92 TO 96	11.1		3.7		40.7	7.4	11.1	23.9		27	2.8
87 TO 91	6.4	.9	4.6	12.8	53.2	9.2	3.7	7.3	1.8	109	11.3
82 TO 86	9.1	4.0	3.4	11.9	38.6	9.7	6.3	10.8	6.3	176	18.2
77 TO 81	10.4	3.0	4.3	12.4	24.9	11.9	7.5	11.9	11.4	201	20.8
72 TO 76	8.0	2.8	7.6	6.4	18.9	10.4	9.6	18.9	17.3	249	25.6
67 TO 71	13.1	2.1	4.8	1.4	7.6	6.9	11.7	37.2	15.2	143	15.0
62 TO 66	6.1						6.1	73.5	16.3	49	5.1
57 TO 61								100.0		8	.8
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LVP											
TOTALS	9.2	2.9	4.9	8.1	25.5	9.2	7.9	21.0	11.3	963	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

JAN 1973-DEC 1977
YEARS

AUGUST
MONTH

ALL
HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96	7.1	3.6	28.6	21.4	17.9	17.9	17.9	17.9	3.6	28	2.8
87 TO 91	4.7	3.5	10.6	49.4	8.2	7.1	9.4	9.4	3.5	83	8.6
82 TO 86	6.8	6.2	8.0	11.7	35.8	5.6	6.2	13.0	6.8	162	16.5
77 TO 81	10.2	7.1	7.1	11.7	23.9	8.6	5.1	9.1	17.3	197	20.0
72 TO 76	8.3	7.9	7.3	4.0	10.9	12.6	5.0	20.5	23.5	302	30.7
67 TO 71	22.8	6.7	4.0	1.3	3.4	6.0	5.4	31.5	18.8	149	15.2
62 TO 66	19.0	2.4				2.4	2.4	64.3	9.5	42	4.3
57 TO 61	26.7							73.3		15	1.5
52 TO 56	33.3							66.7		3	.3
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LVR											
TOTALS	11.1	6.3	6.0	7.4	19.4	8.2	5.6	20.4	15.5	983	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS.

WIND DIRECTION

STATION NAME QUANTICO, VIRGINIA STATION 13773 MONTH SEPTEMBER YEAR JAN 1973-DEC 1977 HOURS (L.S.T.) ALL

WIND DIRECTION

TEMP.	NW & N	NNW & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96					100.0					1	.1
87 TO 91				15.8	63.2	5.3		5.3	10.5	14	2.1
82 TO 86	9.4	1.9	7.5	9.4	49.1	5.7	9.4	7.5		53	5.9
77 TO 81	5.7	4.7	6.6	17.9	36.8	10.4	1.9	7.5	8.5	106	11.8
72 TO 76	13.7	5.8	5.8	7.4	22.6	11.6	3.2	11.6	18.4	190	21.1
67 TO 71	15.7	13.1	14.0	3.5	16.2	4.4	7.9	12.2	13.1	229	25.4
62 TO 66	19.4	10.3	12.3		6.5	1.3	5.2	32.3	12.9	155	17.2
57 TO 61	28.2	9.4	3.5	1.2	1.2	2.4	2.4	41.2	10.6	85	9.4
52 TO 56	11.6	2.3					2.3	67.4	16.3	43	4.8
47 TO 51	13.3					6.7	6.7	66.7	6.7	15	1.7
42 TO 46								100.0		5	.6
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	14.9	8.0	8.6	5.5	18.8	5.8	4.8	21.3	12.5	901	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

13773
STATION

QUANTICO, VIRGINIA
STATION NAME

JAN 1973-DEC 1977
YEARS

OCTOBER
MONTH

ALL
HOURS (L.S.T.)

TEMP.	NINW & N	NNE & NE	ESE & E	ESSE & SE	SSW & SW	WSW & W	WINW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+										
117 TO 121										
112 TO 116										
107 TO 111										
102 TO 106										
97 TO 101										
92 TO 96										
87 TO 91										
82 TO 86	16.7			33.3	33.3		16.7		6	.7
77 TO 81	10.5			57.9	5.3	5.3	15.8	5.3	19	2.1
72 TO 76	8.2	6.1	2.0	44.9	10.2	6.1	4.1	16.3	49	5.3
67 TO 71	7.5	9.0	8.3	29.3	8.3	3.0	6.8	13.5	133	14.5
62 TO 66	12.4	5.6	9.0	24.9	4.0	2.8	15.3	16.9	177	19.3
57 TO 61	19.4	8.1	5.0	9.4	2.5	4.4	26.3	21.3	160	17.4
52 TO 56	28.7	7.0	2.3	5.4	2.3	3.9	34.9	11.6	129	14.1
47 TO 51	24.8	1.7	.9	4.3	4.3	3.4	49.6	10.3	117	12.7
42 TO 46	28.8	4.5	1.5	1.5	4.5	7.6	45.5	6.1	66	7.2
37 TO 41	18.2		3.0			3.0	72.7	3.0	33	3.6
32 TO 36	16.7						79.2	4.2	24	2.6
27 TO 31							100.0		5	.5
22 TO 26										
17 TO 21										
12 TO 16										
7 TO 11										
2 TO 6										
-3 TO 1										
-8 TO -4										
-13 TO -9										
-18 TO -14										
-23 TO -19										
-28 TO -24										
-33 TO -29										
-38 TO -34										
-43 TO -39										
-48 TO -44										
-53 TO -49										
-58 TO -54										
-59 & LWR										
TOTALS	18.0	5.7	5.3	4.5	15.9	4.5	3.8	28.9	13.5	918 100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

13773
STATION

QUANTICO, VIRGINIA

STATION NAME

JAN 1973-DEC 1977

YEARS

NOVEMBER

MONTH

ALL

HOURS (L.S.T.)

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81	7.1	4.2	4.2	4.2	42.9	35.7	100.0	7.1	7.1	2	.2
72 TO 76	4.2	4.2	4.2	4.2	29.2	20.8	16.7	8.3	8.3	14	1.7
67 TO 71	9.5	7.1	2.4	2.4	42.9	23.8	9.5	2.4		24	2.9
62 TO 66	12.3	6.2	3.1	4.6	27.7	16.9	9.2		16.9	42	5.0
57 TO 61	14.2	5.7	3.8	3.8	29.2	19.4	4.7	3.1		65	7.8
52 TO 56	17.8	1.0	4.0	3.0	22.8	5.9	8.9	17.0	12.3	106	12.7
47 TO 51	21.6	2.0		1.4	21.6	3.4	8.8	15.8	20.8	101	12.1
42 TO 46	22.7	3.5	.7	2.8	13.5	5.0	6.4	24.3	16.9	148	17.7
37 TO 41	14.7	4.2	2.1		11.6	5.3	11.6	30.5	14.9	141	16.9
32 TO 36	24.6	4.9			3.3	1.6	3.3	36.8	13.7	95	11.4
27 TO 31	3.4						3.4	52.5	9.8	61	7.3
22 TO 26		25.0						75.9	17.2	29	3.5
17 TO 21	50.0							75.0		4	.5
12 TO 16								50.0		2	.2
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	17.0	3.7	1.8	2.2	20.0	7.8	7.9	25.4	14.1	834	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

13773

QUANTICO, VIRGINIA

STATION NAME

JAN 1973-DEC 1977

YEARS

DECEMBER

MONTH

ALL

HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76											
67 TO 71											
62 TO 66	10.0				20.0	100.0	20.0			2	1.2
57 TO 61	11.1	7.4			18.5	50.0	7.4	7.4	7.4	10	1.1
52 TO 56	21.0	2.7		2.7	13.5	40.7		21.0	13.5	27	3.1
47 TO 51	23.4	3.2	6.4		27.7	24.3		21.6	13.5	37	4.2
42 TO 46	15.3	9.7	5.6	4.2	20.8	9.6	1.1	12.8	16.0	94	10.7
37 TO 41	15.4	6.6	4.4	4.8	19.8	6.2	6.9	16.7	18.8	144	16.4
32 TO 36	23.5	6.0	4.8	3.0	12.0	3.0	2.6	19.4	20.7	227	25.9
27 TO 31	18.9	.8	.8	3.3	11.5	5.7	7.4	30.1	13.3	166	18.9
22 TO 26	23.5	2.9	2.9		2.9	5.9	8.8	41.8	9.8	122	13.9
17 TO 21	10.0				20.0	10.0	20.0	50.0	5.9	34	3.9
12 TO 16	25.0							40.0	25.0	10	1.1
7 TO 11								50.0		4	.5
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LVR											
TOTALS	18.5	5.4	3.9	3.1	17.1	7.8	4.8	24.4	15.2	977	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

STATION NAME QUANTICO, VIRGINIA STATION NUMBER 13773 MONTH ALL YEAR JAN 1973-DEC 1977 HOURS ALL

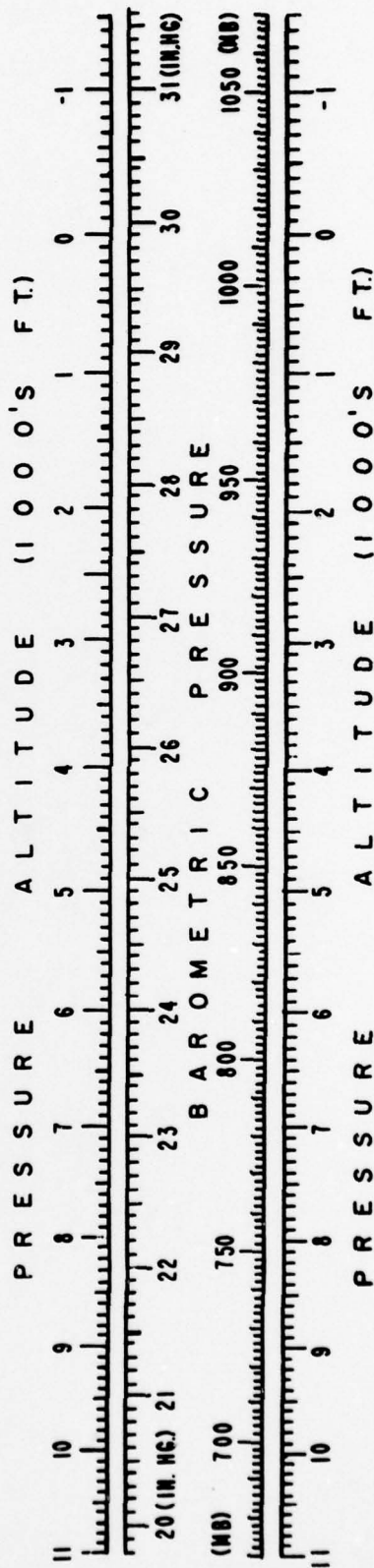
TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WINW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96	7.6	3.0	13.6	31.0	100.0	6.1	13.6	22.7	1.5	1	.0
87 TO 91	5.5	2.1	3.4	10.6	53.1	10.6	5.1	6.8	2.7	66	.6
82 TO 86	6.6	3.8	4.7	12.0	42.3	9.0	7.1	10.1	4.3	292	2.5
77 TO 81	7.6	4.4	5.9	12.5	33.2	10.7	6.1	9.9	9.7	575	5.0
72 TO 76	9.1	4.7	6.2	7.6	23.7	12.9	5.9	14.0	15.7	632	7.2
67 TO 71	12.5	8.4	7.4	5.3	19.5	9.0	7.2	18.9	11.8	1268	11.0
62 TO 66	11.0	6.7	6.9	6.0	18.7	6.8	7.1	21.9	14.9	1225	10.6
57 TO 61	15.4	7.1	4.8	4.7	18.6	6.3	5.9	23.8	13.3	1030	8.9
52 TO 56	16.4	7.0	4.9	8.8	15.2	6.4	6.2	22.3	12.9	915	7.9
47 TO 51	19.3	6.6	4.8	4.0	16.2	4.2	7.7	23.9	13.3	925	8.0
42 TO 46	17.0	7.3	4.3	4.6	13.6	4.0	8.8	26.1	14.3	946	8.2
37 TO 41	17.9	5.6	4.7	4.2	12.7	4.7	5.9	25.6	18.5	943	8.0
32 TO 36	22.0	5.3	3.9	4.0	11.1	3.3	5.8	29.5	15.1	928	8.0
27 TO 31	16.5	2.3	2.7	2.3	8.6	4.2	8.4	36.8	18.2	794	6.9
22 TO 26	23.7	2.1	1.1	2.1	3.2	2.6	13.2	38.4	13.7	478	4.1
17 TO 21	15.9	1.1			4.5	5.7	28.4	35.2	9.1	190	1.6
12 TO 16	8.0					8.0	16.0	60.0	8.0	88	.8
7 TO 11						14.3	14.3	71.4		25	.2
2 TO 6								100.0		7	.1
-3 TO 1								100.0		2	.0
-8 TO -4								100.0		1	.0
-13 TO -9									100.0	1	.0
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LVR											
TOTALS	14.1	5.8	5.2	6.3	19.8	7.1	7.1	21.5	13.3	1152	100.0

PART F PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited to January 1946 through December 1963 because of changes in reporting practices before and after those dates.

1. Station pressure in inches of mercury.
2. Sea-level pressure in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure altitude in 1000's of feet. This scale is an enlarged model of the pressure altitude scale in the Smithsonian Meteorological Tables.



MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

73-77

QUANTICO, VIRGINIA

13773

HRS.(L.S.T.)	STATION NAME												ANNUAL
	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	
01	MEAN	30.066	30.022	29.990	29.953	29.984	29.991	30.047	30.078	30.135	30.092	30.092	30.046
	S. D.	.243	.265	.230	.140	.157	.135	.112	.143	.193	.224	.248	.211
	TOTAL OBS	124	113	122	118	90	94	93	90	93	88	93	1225
04	MEAN	30.123	30.062	30.015	29.988	29.941	29.971	30.042	30.070	30.113	30.091	30.092	30.038
	S. D.	.238	.258	.246	.238	.146	.141	.118	.145	.207	.229	.253	.211
	TOTAL OBS	124	113	124	119	122	121	123	90	115	88	93	1351
07	MEAN	30.117	30.086	30.042	30.015	29.981	29.997	30.003	30.067	30.116	30.091	30.085	30.054
	S. D.	.248	.251	.256	.249	.152	.164	.141	.116	.218	.230	.284	.213
	TOTAL OBS	144	116	125	123	143	142	143	144	139	111	113	1576
10	MEAN	30.143	30.107	30.053	30.030	29.987	30.004	30.012	30.075	30.136	30.119	30.102	30.069
	S. D.	.261	.253	.273	.255	.158	.166	.140	.120	.218	.231	.286	.222
	TOTAL OBS	144	132	147	140	144	142	143	147	135	127	135	1676
13	MEAN	30.080	30.056	30.006	29.988	29.954	29.980	30.049	30.044	30.091	30.065	30.046	30.028
	S. D.	.265	.257	.275	.242	.158	.165	.119	.167	.212	.225	.287	.219
	TOTAL OBS	143	132	147	139	143	142	146	140	136	129	134	1673
16	MEAN	30.063	30.018	29.962	29.949	29.906	29.964	30.016	30.023	30.080	30.042	30.045	30.001
	S. D.	.267	.257	.264	.226	.148	.156	.118	.163	.204	.219	.275	.218
	TOTAL OBS	144	130	142	132	125	123	124	113	113	112	117	1496
19	MEAN	30.118	30.048	29.994	29.964	29.919	29.956	30.027	30.049	30.119	30.079	30.089	30.026
	S. D.	.251	.251	.248	.215	.139	.153	.109	.149	.198	.215	.248	.211
	TOTAL OBS	126	117	126	120	110	104	103	99	100	91	99	1304
22	MEAN	30.138	30.064	30.020	29.997	29.953	29.994	30.055	30.083	30.138	30.096	30.097	30.051
	S. D.	.244	.257	.241	.216	.136	.151	.108	.143	.200	.214	.253	.208
	TOTAL OBS	124	113	124	118	107	92	97	90	93	88	93	1237
ALL HOURS	MEAN	30.112	30.063	30.014	29.990	29.951	29.986	30.049	30.061	30.115	30.084	30.079	30.039
	S. D.	.253	.256	.257	.235	.150	.159	.117	.158	.208	.224	.270	.216
	TOTAL OBS	1073	966	1057	1009	1001	954	965	901	918	834	877	11538